

此呈：

公开版

中华人民共和国商务部

申请对原产于美国的进口聚酰胺-6,6切片产品所适用的反倾销措施
进行期终复审调查

反倾销措施期终复审调查申请书

【附件】

申请人：

平顶山神马工程塑料有限责任公司

申请人全权代理人：

北京市环中律师事务所

二〇二〇年八月十二日

附件目录

附件 1: 申请人营业执照.....	1
附件 2: 授权委托书.....	3
附件 3: 代理律师指派书和律师执业证明.....	5
附件 4: 关于中国大陆聚酰胺-6,6 切片生产情况的说明.....	11
附件 5: 关于中国大陆聚酰胺-6,6 切片出口量情况的说明.....	14
附件 6: 《中华人民共和国海关进出口税则》	16
附件 7: 中国海关进出口数据.....	18
附件 8: 运输方式、海运费用、海运保险费率和境内环节费用.....	23
附件 9: 《TECNON 月报》(2019 年1 月至12 月)	42
附件 10: 《PCI 尼龙中间体和纤维年报》(2019 年)	67
附件 11: 申请调查国家向第三国出口情况统计.....	86
附件 12: 申请人财务数据和报表.....	100
附件 13: 2015 至 2019 年美元兑人民币汇率.....	102

附件 1： 申请人营业执照



营业执照

(副本) 1-1

统一社会信用代码

91410400171778896J



扫描二维码登录
“国家企业信用
信息公示系统”
了解更多登记、
备案、许可、监
管信息。

名

称

平顶山神马工程塑料有限责任公司

注册资

本 贰亿叁仟陆佰玖拾捌万叁仟贰佰圆整

类

型

其他有限责任公司

成 立 日 期

1995年09月06日

法 定 代 表 人

郭选政

营 业 期 限

1995年09月06日至2030年09月05日

经 营 范 围

制造、加工：塑料，化纤及其制品的原辅材料，尼龙66树脂合成技术的研发及推广，塑料机械；仓储，房屋租赁；机械设备租赁；对外贸易；批发、零售：生铁、铁矿石、钢锭、钢坯、钢材、铝锭、建材、矿用机械设
备、金属材料（不含贵金属）、橡胶制品、化工产品（不含危险化学品）及油脂（不含食用油和危险化学品）。*****（依法须经批准的项目，经相关部门批准后方可开展经营活动）

住 所

平顶山市建设路东段高新技术开发区河南神马尼龙化工有限公司院内（门牌号：建设路711）

登 记 机 关



2020年04月20日

附件 2：授权委托书

授权委托书

平顶山神马工程塑料有限责任公司（下称委托方）特此全权委托北京市环中律师事务所及其指定的律师，代表委托方对原产于美国的聚酰胺-6,6 切片提出第二次反倾销期终复审调查申请。

北京市环中律师事务所律师的代理权限为：全权代理。具体代理权限为：

- 1、 认真履行职责，及时依法保护委托方合法权益；
- 2、 为反倾销期终复审事宜为委托方搜集和整理有关证据和材料；
- 3、 起草反倾销期终复审调查申请书并准备附件材料；
- 4、 代表委托方向中华人民共和国商务部提出反倾销期终复审调查的书面申请；
- 5、 指导和协助委托方填写调查机关发放的调查问卷；
- 6、 指导和协助委托方配合调查机关的实地核查工作；
- 7、 代表委托方按照中华人民共和国商务部所规定的时间提供补充材料；
- 8、 根据案件的进展情况，代表委托方向调查机关查阅应诉方的抗辩和评论意见，并及时提出相应反驳意见；
- 9、 代表委托方参加题述案件的审理和听证；
- 10、 代表委托方进行反倾销期终复审案件所需的其他工作。

本授权书所规定的权限在授权事宜完成时终结，或委托方认为有必要结束授权时终结。授权终结时，与之相对应的委托代理合同同时终止。

委托方：平顶山神马工程塑料有限责任公司

二〇二〇年七月十五日



附件 3：代理律师指派书和律师执业证明

北京市环中律师事务所
BEIJING HUANZHONG & PARTNERS

中国北京朝阳区安立路 68 号阳光广场 B2 座 29 层
Tel: (010)64896300, Fax: (010)64896292
E-Mail: ganruifang@huanzhonglaw.com, URL: www.huanzhonglaw.com

代理律师指派书

为中国聚酰胺-6,6 切片产业向中华人民共和国商务部申请对原产于美国的进口聚酰胺-6,6 切片提起反倾销期终复审调查之目的,平顶山神马工程塑料有限责任公司授权北京市环中律师事务所作为其全权代理人,处理上述案件相关的全部事宜。

北京市环中律师事务所根据上述委托,特指派该所王雪华律师、甘瑞芳律师代理上述委托案件,处理《授权委托书》范围内的所有相关事宜。

北京市环中律师事务所

二〇二〇年七月十五日



执业机构 北京市环中律师事务所

执业证类别 专职律师

执业证号 11101199910406450

法律职业资格
或律师资格证号 (京)司律证字 2024 号

发证机关 北京市司法局

发证日期 2017 年 05 月 31 日



持证人 王雪华

性 别 男

身份证号 110105196402087795

律师年度考核备案

考核年度	二〇一九年度
考核结果	称 职
备案机关	北京市朝阳区司法局 专用章 律师年度考核备案
备案日期	2019年6月-2020年5月

律师年度考核备案

考核年度	二〇二〇年度
考核结果	称 职
备案机关	北京市朝阳区司法局 专用章 律师年度考核备案
备案日期	2020年6月-2021年5月

执业机构 **北京市环中律师事务所**

执业证类别 **专职律师**

执业证号 **11101201911121042**

法律职业资格A**20153601030396**
或律师资格证号

发证机关 **北京市司法局**

发证日期 **2019** 年 **09** 月 **04** 日



甘瑞芳 11101201911121042

持证人 **甘瑞芳**

性别 **女**

身份证号 **360103199207144448**

律师年度考核备案

考核年度	二〇一九年度
考核结果	称 职
备案机关	北京市朝阳区司法局 专用章
备案日期	2019年6月-2020年5月

律师年度考核备案

考核年度	二〇二〇年度
考核结果	称 职
备案机关	北京市朝阳区司法局 专用章 律师年度考核备案
备案日期	2020年6月-2021年5月

附件 4：关于中国大陆聚酰胺-6,6 切片生产情况的证明

关于中国大陆聚酰胺-6,6 切片产量情况的证明

根据本协会对中国大陆聚酰胺-6,6 切片（非改性）产业的统计，以及《中华人民共和国反倾销条例》相关规定，2015 年至 2019 年，中国大陆总产量情况如下：

一、中国大陆聚酰胺-6,6 切片（非改性）总产量

期间	2015 年	2016 年	2017 年	2018 年	2019 年
中国大陆总产量 (单位：吨)	173,617	223,764	301,015	292,997	283,040

注：上表数据为聚酰胺-6,6 切片（非改性）的统计数据，不包括改性聚酰胺-6,6 切片

二、中国大陆聚酰胺-6,6 切片（非改性）产业总产量情况

在中国大陆聚酰胺-6,6 切片生产企业中，有一些企业与本次期终复审中申请调查国家的聚酰胺-6,6 切片生产企业存在关联关系，本协会统计的中国大陆聚酰胺-6,6 切片（非改性）产业，如下总产量情况不包含上述企业数据。

期间	2015 年	2016 年	2017 年	2018 年	2019 年
中国大陆产业总产量 (单位：吨)	173,617	160,239	162,565	167,297	162,590

注：上表数据为聚酰胺-6,6 切片（非改性）的统计数据，不包括改性聚酰胺-6,6 切片

特此证明！



非保密概要

附件 4：本附件项下的部分内容涉及调查期内申请调查产品进口到中国的逐笔交易情况，涉及交易双方的商业秘密，故申请保密，其他利害关系方应当可以合理理解。

附件 5：关于中国大陆聚酰胺-6,6 切片出口量情况的证明

关于中国大陆聚酰胺-6,6 切片出口情况的证明

根据本协会统计，2015 年至 2019 年，中国大陆聚酰胺-6,6 切片（非改性）出口量情况如下：

期间	2015 年	2016 年	2017 年	2018 年	2019 年
中国大陆出口量 (单位：吨)	25,740	23,387	43,178	47,154	42,833

注：上表数据为聚酰胺-6,6 切片（非改性）的统计数据，不包括改性聚酰胺-6,6 切片

特此证明！



附件 6:《中华人民共和国海关进出口 税则》

税则号列 Tariff Item	商品名称及备注	进口税率			出口退税率	增值率	计量单位	监管条件	Article Description
		最惠	普通	暂定					
3908.1011	——聚酰胺-6,6切片	6.5	45		13	17	千克		---Of polyamide-6,6
3908.1011.01	聚酰胺-6,6切片	6.5	45		13	17	千克		Polyamide -6,6, slices or chips
3908.1011.90	改性聚酰胺-6,6切片(经螺杆二次混炼加入玻璃纤维、矿物质、增韧剂、阻燃剂的改性聚酰胺-6,6切片)	6.5	45		13	17	千克		Modified polyamide -6,6 slices (by adding glass fiber, minerals, toughening agents, flame retardants via screw-secondary mixing)
3908.1012	——聚酰胺-6切片	6.5	45		13	17	千克		---Of polyamide-6
3908.1019	——其他	6.5	45		13	17	千克		---Other
3908.1019.10	尼龙11、尼龙12切片(即聚酰胺-11、-12切片)	6.5	45		13	17	千克		Nylon 11, Nylon 12, slices or chips (polyamide-11,-12)
3908.1019.99	聚酰胺-6,9切片等(包括聚酰胺-6,9、-6,10、-6,12)	6.5	45		13	17	千克		polyamide -6,9 slices or chips, etc. (including polyamide -6,9; -6,10; -6,12)
3908.1090	——其他	6.5	45		5	17	千克		---Other
3908.9000	——其他	10	45		5	17	千克		-Other
39.09	初级形状的氨基树脂、酚醛树脂及聚氨酯类:								Amino-resins, phenolic resins and polyurethanes, in primary forms:
3909.1000	-尿素树脂; 硫脲树脂	6.5	45		5	17	千克		-Urea resins; thiourea resins
3909.2000	-蜜胺树脂	6.5	45		5	17	千克		-Melamine resins
3909.3010	-其他氨基树脂:								-Other amino-resins:
	——聚(亚甲基苯基异氰酸酯)(聚合MDI或粗MDI)	6.5	35		13	17	千克		---Poly(methylene phenyl isocyanate)(polymeric MDI or crude MDI)
3909.3090	——其他	6.5	45		5	17	千克	AB	---Other
3909.4000	-酚醛树脂	6.5	45		5	17	千克	AB	-Phenolic resins
3909.5000	-聚氨酯甲酯	6.5	45		13	17	千克	AB	-Polyurethanes
39.10	初级形状的聚硅氧烷:								Silicones in primary forms:
3910.0000	初级形状的聚硅氧烷	6.5	45		13	17	千克		Silicones in primary forms
39.11	初级形状的石油树脂、苯并呋喃树脂、多萜树脂、多硫化物、聚砜及本章注释三所规定的其他品目未列名产品:								Petroleum resins, coumarone-indene resins, polyterpenes, polysulphides, polysulphones and other products specified in Note 3 to this Chapter, not elsewhere specified or included, in primary forms:
3911.1000	-石油树脂、苯并呋喃树脂、多萜树脂、多硫化物、聚砜及本章注释三所规定的其他品目未列名产品:	6.5	45		5	17	千克		-Petroleum resins, coumarone, indene or coumarone-indene resins and polyterpenes
3911.9000	-其他	6.5	45			17	千克		-Other
3911.9000.01	芳基酸与芳基胺预缩聚物	6.5	45	3	5	17	千克		Prepoly condensate of aryl acid and aryl amine
3911.9000.03	改性三羟乙基脲酸酯类预缩聚物	6.5	45	3	5	17	千克		Prepoly condensate of modified 3-hydroxyethyl urea esters
3911.9000.04	聚苯硫醚	6.5	45		13	17	千克		Poly(p-phenylene sulfide)
3911.9000.05	偏苯三酸酐和异氰酸预缩聚物	6.5	45	3	5	17	千克		Prepoly condensate of trimellitic anhydride and isocyanic acid
3911.9000.90	其他初级形状的多硫化物、聚砜等(包括本章注释三所规定的其他品目未列名产品)	6.5	45		13	17	千克		Other polysulphides, polysulphones and other products specified in Note 3 to this Chapter, not elsewhere specified or included, in primary forms
39.12	初级形状的其他品目未列名的纤维素及其化学衍生物:								Cellulose and its chemical derivatives, not elsewhere specified or included, in primary forms:
	-乙酸纤维素:								-Cellulose acetates:
3912.1100	——未塑化	6.5	40		0/5	17	千克		---Non-plasticized
3912.1200	——已塑化	6.5	40			17	千克		---Plasticized
3912.2000	-硝酸纤维素(包括胶棉)	6.5	45			17	千克		-Cellulose nitrates(including collodions)
	-纤维素醚:								-Cellulose ethers:
3912.3100	——羧甲基纤维素及其盐	6.5	45			17	千克		---Carboxymethylcellulose and its salts
3912.3900	——其他	6.5	45			17	千克		---Other
3912.9000	-其他	6.5	45			17	千克		-Other
39.13	初级形状的其他品目未列名的天然聚合物(例如,藻酸)及改性天然聚合物(例如,硬化蛋白、天然橡胶的化学衍生物):								Natural polymers(for example, alginic acid) and modified natural polymers(for example, hardened proteins, chemical derivatives of natural rubber), not elsewhere specified or included, in primary forms:

附件 7：中国海关进出口数据

39081011.01 聚酰胺-6,6 切片（非改性） 中国海关进口数据统计

一、2015 至 2019 年，中国大陆自美国聚酰胺-6,6 切片进口金额、进口数量、进口价格情况（单位：美元、吨、美元/吨）

		2015 年	2016 年	2017 年	2018 年	2019 年
美国	进口金额	82,577,116	123,589,195	80,720,718	109,682,679	174,921,287
	进口数量	26,745	45,371	27,243	30,393	43,336
	进口价格	3,088	2,724	2,963	3,609	4,036

二、2015 至 2019 年，中国大陆聚酰胺-6,6 切片总进口量情况（单位：吨）

	2015 年	2016 年	2017 年	2018 年	2019 年
中国大陆总进口量	189,786	293,153	203,544	232,980	231,575

三、2019 年中国大陆自美国聚酰胺-6,6 切片进口金额、进口数量、进口价格情况（单位：美元、吨、美元/吨）

月份	进口金额	进口数量	进口价格
2019 年 1 月	6,923,412	1,725	4,014
2019 年 2 月	12,792,711	3,050	4,194
2019 年 3 月	11,134,147	2,869	3,880
2019 年 4 月	16,034,139	3,836	4,179
2019 年 5 月	14,803,195	3,529	4,195
2019 年 6 月	12,692,843	3,146	4,034
2019 年 7 月	15,039,911	3,817	3,941
2019 年 8 月	12,782,819	3,214	3,977
2019 年 9 月	8,719,915	1,945	4,484



2019 年 10 月	13,403,656	3,667	3,655
2019 年 11 月	26,720,375	6,481	4,123
2019 年 12 月	23,874,164	6,056	3,942
加权平均价格		4,036	

申请人确认，上述数据为中国海关十位码（39081011.01）统计数据。



平顶山神马工程塑料有限责任公司

二〇二〇年八月四日

非保密概要

附件 7：本附件项下的部分内容为申请书正文部分所提供的中国海关进出口数据的底层数据。本部分内容反映了调查期内申请调查产品进口到中国的逐笔交易情况，涉及交易双方的商业秘密，故申请保密。

在申请书公开版本的正文部分，根据本附件之内容整理、统计的中国海关进口数据已经作为公开信息全部披露。

附件 8：运输方式、海运费用、海运 保险费率和境内环节费用

附件8-1：关于美国向中国大陆出口聚酰胺-6,6切片产品运输方式之说明

关于国际贸易中聚酰胺-6,6 切片运输方式之说明

我司常年从事聚酰胺-6,6 切片出口工作。根据以往经验，国际贸易中，聚酰胺-6,6 切片通常以集装箱装柜运输（海运），每个标准集装箱（20 呎）通常能装 15 吨聚酰胺-6,6 切片。特此说明！

平顶山神马工程塑料有限责任公司

二〇二〇年六月二十日



附件8-2：关于美国向中国大陆出口聚 酰胺-6,6切片产品海运费之说明

关于美国向中国大陆出口聚酰胺-6,6 切片产品海运费之说明

据申请人了解，聚酰胺-6,6 切片海运出口一般采用集装箱运输，每个 20 呎货柜一般可以运输 15 吨聚酰胺-6,6 切片。根据中国国际海运网(网址：<http://ship.shippingchina.com>) 报价，一个 20 呎集装箱货柜从中国大陆主要港口运抵美国主要港口的费用如下表所示。

装货港	卸货港	20 呎集装箱海运费 (美元)	聚酰胺-6,6 切片产品海运费 (美元/吨)
中国大陆—上海港	美国—亚特兰大	1,600	107
中国大陆—青岛港	美国—纽约	2,018	135

申请人据此采用算术平均方法推算每吨聚酰胺-6,6 切片从中国大陆主要港口运抵美国的海运费费用。

中国大陆至美国海运费 = $(107 + 135) / 2 = 121$ 美元/吨

因此，申请人有理由推定美国的聚酰胺-6,6 切片出口到中国大陆主要港口的海运费为 121 美元/吨。


[首页](#)
[商务平台](#)
[网站商机](#)
[航贸百科](#)
[蓝色网站](#)
[登录](#)
[免费注册](#)
[English](#)


[海歌模糊搜索](#)
[海歌精确搜索](#)

[海运一搜](#)
[运价](#)
[名录](#)
[货代船期](#)
[船东船期](#)
[船东船期\(散杂\)](#)
[物流服务](#)
[货物追踪](#)


[整箱运价](#)
[装运港](#)
[卸货港](#)

您现在的位置: 首页 >> 整箱运价 >> Qingdao[青岛]-Atlanta[亚特兰大] >> 青岛跃然国际物流有限公司发布的整箱运价

Qingdao[青岛]----Atlanta[亚特兰大] 运价发布公司: 青岛跃然国际物流有限公司

20' GP 运价	40' GP 运价	40' HQ 运价	公司优势: 我司主要代理MSC、CMA、KLINE、YML, 非常有优势, 其次还代理空运和中亚五国铁路。
1600	2000	2000	

所属航线: 中国-北美 CHINA--NORTH AMERICA 航线

集装箱种类: 普箱

航期: 35

截关日期: 周二

限重:

中转港:

所属船东: MSC

有效期: 此航线运价至 [2020-06-30] 前有效

备注: 详细请电询 来电咨询时请告知在国际海运网看到的信息以便沟通, 获取更多优惠

联系人: 张经理

联系方式: 18906399747

信息发布公司: 青岛跃然国际物流有限公司

短信询价

进入公司主站

青岛跃然国际物流有限公司发布的其他运价

装运港-卸货港	20' GP/40' GP/40' HQ (USD) 运价	航期(天)	转运属性
青岛[Qingdao]---巴统 [Batumi]	900/1600/1600	38	釜山转
青岛[Qingdao]---拉萨罗卡德纳勒[Lazaro cardenas]	1600/1800/1800	10	直达
青岛[Qingdao]---马尼拉南港[Manila south]	-100/-200/-200	10	直达
青岛[Qingdao]---马尼拉北港[Manila north]	-100/-200/-200	10	直达

青岛跃然国际物流有限公司

青岛跃然国际物流, 一级货运代理, 我们公司与各大船公司 (MAERSK、APL、CMA、COSCO、MSC、CSAV、KMTC、EVERGREEN、HMM、MOL、NYK、CSCL、WANHAI、ZIM、UA) 形成多年良好的合作关系。能够操作日本、韩国、东南亚、中东、欧洲、澳洲、地中海、美国、加拿大、中南美、非洲等世界各地集装箱及散杂货物, 目前在很多航线已经与船公司签订协议价格, 公司全球代理网络广泛而庞大, 对海外各主要海港, 空港都可以签发自己的提单, 可提供DDUDDPDDOOR TO DOOR运输 FOB进口订舱, 海运费到付以及信用证所要求的提单倒签/船证等全方位服务, 利用全球分单在各方面为客户提供合理的解决方案。

运价发布公司简介

青岛跃然国际物流有限公司

信誉级别:

公司评价: 好 (0), 坏 (1)

注册时间: 2014-09-10

主营业务: 我司主要代理
MSC、CMA、
KLINE、YML, 非..

公司简介:

青岛跃然国际物流, 一级货运代理, 我们公司与各大船公司 (MAERSK、APL、CMA、COSCO、MSC、CSAV、KMTC、EVERGREEN、HMM、MOL、NYK、CSCL、WANHAI、ZIM..

站内短信 公司主站

用蓝银可兑换以下广告位



[首页](#) [商务平台](#) [网站商机](#) [航贸百科](#) [蓝色网站](#)[登录](#) [免费注册](#) [English](#)[海歌模糊搜索](#) [海歌精确搜索](#)[海运一搜](#) [运价](#) [名录](#) [货代船期](#) [船东船期](#) [船东船期\(散杂\)](#) [物流服务](#) [货物追踪](#)[整箱运价](#)[装运港](#)[卸货港](#)您目前的位置: [首页](#) >> [整箱运价](#) >> [Shanghai\[上海\]-New york\[纽约\]](#) >> 义赛国际物流集团有限公司发布的整箱运价

Shanghai[上海]----New york[纽约]

运价发布公司: 义赛国际物流集团有限公司

20' GP 运价	40' GP 运价	40' HQ 运价	公司优势: 国际海运进出口, 整箱、散货、空运
2018	2518	2518	

所属航线: 中国-北美 CHINA--NORTH AMERICA 航线

集装箱种类: 普箱

航期: 26

截关日期:

限重:

中转港: DIR

所属船东: HPL

有效期: 此航线运价至 [1970-01-01] 前有效

备注: 扣扣: 544346631 来电咨询时请告知在国际海运网看到的信息以便沟通, 获取更多优惠

联系人: 屠岩峰

联系方式: 13957488875

信息发布公司: 义赛国际物流集团有限公司

[短信询价](#)[进入公司主站](#)

运价发布公司简介

义赛国际物流集团有限公司

信誉级别:

公司评价: 好 (0), 坏 (0)

注册时间: 2007-12-17

主营业务: 国际海运进出口, 整箱、散货、空运

公司简介:

义赛国际物流集团有限公司成立于2003年3月28日, 是一家具有一定规模, 经营范围广泛的现代物流企业, 集团国际集装箱整柜及散货进出口货物的海运、空运、陆运、运输、仓储、配送、快递、配载、装卸、信息处理、物..

[站内短信](#) [公司主站](#)

用蓝银可兑换以下广告位



义赛国际物流集团有限公司发布的其他运价

装运港--卸货港	20' GP/40' GP/40' HQ (USD) 运价	航期(天)	转运属性
宁波[Ningbo]---[Macau]	50/100/100	10	直达
宁波[Ningbo]---利特尔顿[Lyttelton]	725/1200/1200	25	直达
宁波[Ningbo]---内皮尔[Napier]	725/1200/1200	25	直达
宁波[Ningbo]---陶兰加[Tauranga]	662/1224/1224	17	直达

义赛国际物流集团有限公司

义赛国际物流集团有限公司成立于2003年3月28日, 是一家具有一定规模, 经营范围广泛的现代物流企业, 集团国际集装箱整柜及散货进出口货物的海运、空运、陆运、运输、仓储、配送、快递、配载、装卸、信息处理、物流方案设计策划于一体; 货源基础稳固, 业务力量雄厚; 凭借承运实力强大、价格优惠、网络繁多、服务到位及宁波地区经济繁荣等得天独厚的优势与国内外各界客户及众多的联运企业保持良好的业务联系。义赛国际物流集团有限公司将遵循国际国内贸易运输准则, 本着互惠互利、优质高效、信誉第一、客户至上的宗旨, 为发展现代物流事业作出贡献。 本公司现有各类员工20余人, 拥有一支合格的物流人才队伍, 采用现代先进的计算机网络管理系统, 以顾客的满意为第一目标, 着重于整个流通渠道的商品运动, 既注重效率更注重效果, 对商品运动的一元化管理物征都得到了充分的体现, 自始至终为您降低成本着想。公司在香港、深圳、广州、天津、上海、青岛及世界各地均设有分支网络机构, 从而形成了国

附件8-3：关于美国向中国大陆出口聚 酰胺-6,6切片产品保险费之说明

关于美国向中国大陆出口聚酰胺-6,6 切片产品保险费之说明

据申请人了解，从美国运抵中国主要港口的海运保险主要有下三种：平安险（F.P.A）、水渍险（W.A）和一切险（A.R）。国际贸易中 CIF 贸易术语项下，应由卖方承担保险费，通常买方会要求卖方承担一切险。根据中国进口货运保险一般货物费率表（海运），申请人暂以美国运抵中国主要港口的一切险费率（**0.45%**），计算美国向中国出口聚酰胺-6,6 切片的保险费。

[首页](#) [商务平台](#) [网站商机](#) [航贸百科](#) [蓝色网站](#)
[登录](#) [免费注册](#) [English](#)

 海运一搜:

[操作指南](#) | [航贸参数](#) | [通关大全](#) | [行业公告](#) | [行业知识](#) | [政策法规](#) | [实用工具](#)
[首页](#) » [航贸参数](#) » 进口货运保险普通货物费率表

进口货运保险普通货物费率表

 添加新百科 获积分奖励 [【我来添加】](#)

(一) 所有进口货物均按本费率表计算保险费, 但如在指明货物费率表中的货物, 承保一切险时还须加上指明货物费率计算保险费。有特殊规定的按特殊规定计收。

(二) 各种散装货物以及化肥、糖、粮谷、木材、油(包括油料)、活牲畜、新鲜果菜, 其保险责任均至卸货港口仓库或场地时终止。上述货物如需从港口转运到内地还需按转运内地费率加费的规定加费。

(三) 本表系按每百元计算。

(1) 海运

地区	平安险 F . P . A	水渍险 W . A	一切险 A . R .
台湾、香港、澳门、南朝鲜、日本	0 . 08	0.12	0.25
大洋洲及亚洲国家和地区	0 . 10	0.15	0.35
加拿大、美国、欧洲	0 . 15	0.20	0.45
非洲及中南美洲	0 . 20	0.25	0.50

(2) 陆运

地区	陆运	陆运一切险
香港、澳门	0 . 07	0 . 20
其它地区	0 . 15	0 . 40

(3) 空运

地区	航空运输险	航空一切险
香港、澳门、台湾、日本、南朝鲜	0 . 10	0 . 25
其他世界各地	0 . 20	0 . 45

(4) 邮包

目的地	邮包险	邮包一切险
香港、澳门、台湾、日本、南朝鲜	0 . 10	0 . 25
其他世界各地	0 . 20	0 . 45

24小时新闻排行

1. 航运公司ONE在大流行期间重组...
2. 俄外长: 俄方将全力维护伊核协议...
3. 德国继续实施社交限制等防疫措施
4. 肯尼亚总统: 感谢中国对非洲国家...
5. 尼日尔总统伊素福称中国为全球抗...
6. 油轮巨头最近又有大动作.....
7. 船东没钱了! 脱疏装置改装市场...
8. 厄瓜多尔再次宣布为期60天的紧...
9. 疫情冲击经济 数十家民间组织吁...
10. 朝鲜半岛局势重现紧张 韩总统吁...

在线视频



WIFFA宣传片
类别:



辽宁卫视《辽宁新闻联播》报道第六届海峰会
类别: 媒体报道



大连财经频道《大连经济报道》关注货代平
类别:



大连电视台《大连新闻》报道第六届海峰会
类别: 媒体报道

航贸百科


 国际危规:

**附件8-4：关于美国向中国大陆出口聚
酰胺-6,6切片产品境内环节费用说明**

关于美国向中国大陆出口聚酰胺-6,6 切片境内环节费用说明

根据世界银行组织(World Bank Group)统计，自美国出口一个贸易单位(20 呎柜)的货物，所需的境内环节费用包括以下三个部分:文件合规(Documentary Compliance)、边境合规(Border Compliance)、境内运输 (Domestic Transport),相关数据整理如下。

自布法罗港出口	
类别	费用（美元）
文件合规	60
边境合规	175
境内运输	1,361
自底特律港出口	
类别	费用（美元）
文件合规	60
境内合规	175
境内运输	6,017

申请人暂以自布法罗港和自底特律港出口的境内环节费用的平均值，来计算自美国向中国大陆出口聚酰胺-6，6 切片产品的境内环节费用，即：

境内环节费用(一个 20 呎柜)=【(60+175+1361) + (60+175+6017)】/2= 3,924 美元。

 Trading across Borders

本报告记录了货物进出口过程中所需的时间和费用。本报告从时间和费用两个角度进行测试，涉及进出口一个贸易单位货物所必经的三个过程：文件合规，边境合规，境内运输。最新的数据采集完成于2018年5月。

Doing Business records the time and cost associated with the logistical process of exporting and importing goods. *Doing Business* measures the time and cost (excluding tariffs) associated with three sets of procedures—documentary compliance, border compliance and domestic transport—within the overall process of exporting or importing a shipment of goods. The most recent round of data collection for the project was completed in May 2018. [See the methodology for more information.](#)

What the indicators measure

Documentary compliance

- Obtaining, preparing and submitting documents during transport, clearance, inspections and port or border handling in origin economy
- Obtaining, preparing and submitting documents required by destination economy and any transit economies
- Covers all documents required by law and in practice, including electronic submissions of information

Border compliance

- Customs clearance and inspections
- Inspections by other agencies (if applied to more than 20% of shipments)
- Handling and inspections that take place at the economy's port or border

Domestic transport

- Loading or unloading of the shipment at the warehouse or port/border
- Transport between warehouse and port/border
- Traffic delays and road police checks while shipment is en route

Case study assumptions

To make the data comparable across economies, a few assumptions are made about the traded goods and the transactions:

Time: Time is measured in hours, and 1 day is 24 hours (for example, 22 days are recorded as $22 \times 24 = 528$ hours). If customs clearance takes 7.5 hours, the data are recorded as is. Alternatively, suppose documents are submitted to a customs agency at 8:00a.m., are processed overnight and can be picked up at 8:00a.m. the next day. The time for customs clearance would be recorded as 24 hours because the actual procedure took 24 hours.

Cost: Insurance cost and informal payments for which no receipt is issued are excluded from the costs recorded. Costs are reported in U.S. dollars. Contributors are asked to convert local currency into U.S. dollars based on the exchange rate prevailing on the day they answer the questionnaire. Contributors are private sector experts in international trade logistics and are informed about exchange rates.

Assumptions of the case study:

- For all 190 economies covered by *Doing Business*, it is assumed a shipment is in a warehouse in the largest business city of the exporting economy and travels to a warehouse in the largest business city of the importing economy.
- It is assumed each economy imports 15 metric tons of containerized auto parts (HS 8708) from its natural import partner—the economy from which it imports the largest value (price times quantity) of auto parts. It is assumed each economy exports the product of its comparative advantage (defined by the largest export value) to its natural export partner—the economy that is the largest purchaser of this product. Shipment value is assumed to be \$50,000.
- The mode of transport is the one most widely used for the chosen export or import product and the trading partner, as is the seaport or land border crossing.
- All electronic information submissions requested by any government agency in connection with the shipment are considered to be documents obtained, prepared and submitted during the export or import process.
- A port or border is a place (seaport or land border crossing) where merchandise can enter or leave an economy.
- Relevant government agencies include customs, port authorities, road police, border guards, standardization agencies, ministries or departments of agriculture or industry, national security agencies and any other government authorities.

文件合规

- 1.获取、准备、提交在本国运输、清关、检查的过程中所需的文件；
- 2.获取、准备、提交目的地国或中转国所要求的文件；
- 3.所有法律或实践中所要求相关文件，包括电子提交文件。

边境合规

- 1.海关清关和检查；
- 2.其他部门的检查（如果该项检查适用于超过20%的出口货物）；
- 3.其他港杂和检查。

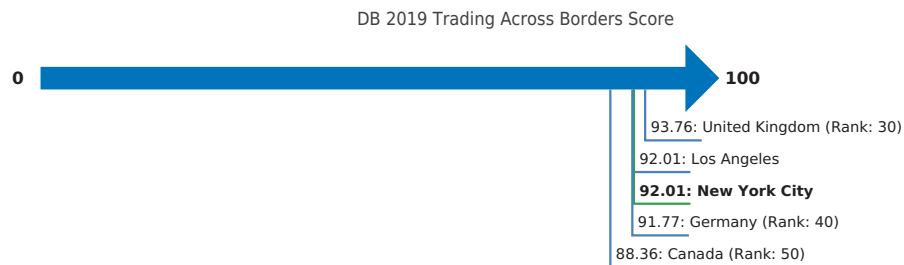
境内运输

- 1.在仓库或港口/边境的装卸；2.仓库与港口/边境之间的运输；
- 3.交通延期和公路上的例行检查。

Trading across Borders - New York City

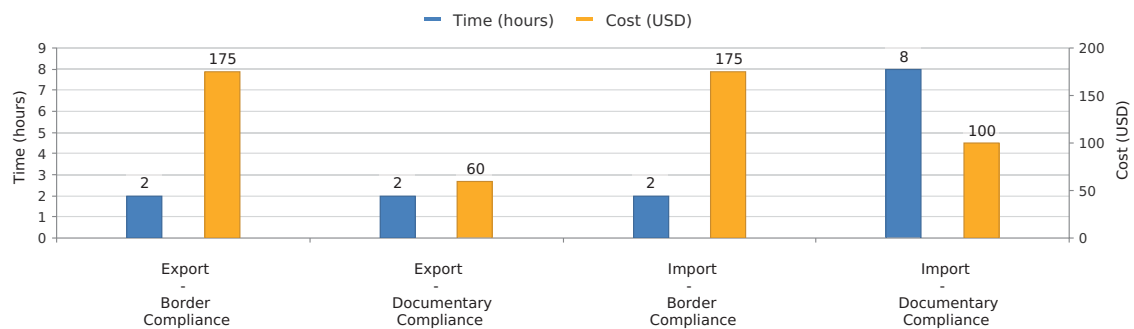
Indicator	出口费用：边境合规（美元）	New York City	OECD high income	Best Regulatory Performance
Time to export: Border compliance (hours)		2	12.5	1 (19 Economies)
Cost to export: Border compliance (USD)		175	139.1	0 (19 Economies)
Time to export: Documentary compliance (hours)	出口费用：文件合规（美元）		2.4	1 (26 Economies)
Cost to export: Documentary compliance (USD)		60	35.2	0 (20 Economies)
Time to import: Border compliance (hours)		2	8.5	0 (25 Economies)
Cost to import: Border compliance (USD)		175	100.2	0 (28 Economies)
Time to import: Documentary compliance (hours)		8	3.4	1 (30 Economies)
Cost to import: Documentary compliance (USD)		100	24.9	0 (30 Economies)

Figure - Trading across Borders in New York City and comparator economies - Ranking and Score



Note: The ranking of economies on the ease of trading across borders is determined by sorting their scores for trading across borders. These scores are the simple average of the scores for the time and cost for documentary compliance and border compliance to export and import.

Figure - Trading across Borders in New York City - Time and Cost



Details - Trading across Borders in New York City

Characteristics	Export	Import
Product	HS 84 : Nuclear reactors, boilers, machinery and mechanical appliances; parts thereof	HS 8708: Parts and accessories of motor vehicles
Trade partner	Canada	Mexico
Border	Buffalo border crossing	Laredo border crossing
Distance (km)	600	3192
Domestic transport time (hours)	24	109
Domestic transport cost (USD)	1361	4373

Details - Trading across Borders in New York City - Components of Border Compliance

	Time to Complete (hours)	Associated Costs (USD)
Export: Clearance and inspections required by customs authorities	1.3	175.0
Export: Clearance and inspections required by agencies other than customs	0.0	0.0
Export: Port or border handling	0.5	0.0
Import: Clearance and inspections required by customs authorities	1.5	175.0
Import: Clearance and inspections required by agencies other than customs	0.0	0.0
Import: Port or border handling	0.5	0.0

类型 出口
 商品 海关编码84类项下的商品
 贸易伙伴 加拿大
 边境 水牛边境
 距离 (km) 600
 境内运输时间 (小时) 24
 境内运输费用 1361

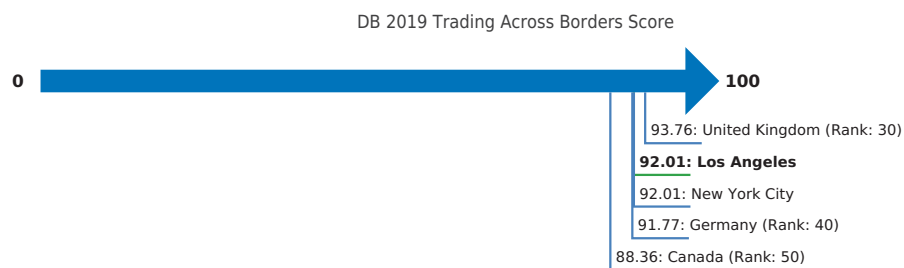
Details - Trading across Borders in New York City - Trade Documents

Export	Import
Inland bill of lading	Inland bill of lading
Commercial Invoice/ cargo control document	NAFTA - Certificate of origin
NAFTA Certificate of origin/ Canadian Customs Invoice	Commercial Invoice
Packing List	Packing List
	Customs Release Form 3461
	Customs Entry Form 7501

Trading across Borders - Los Angeles

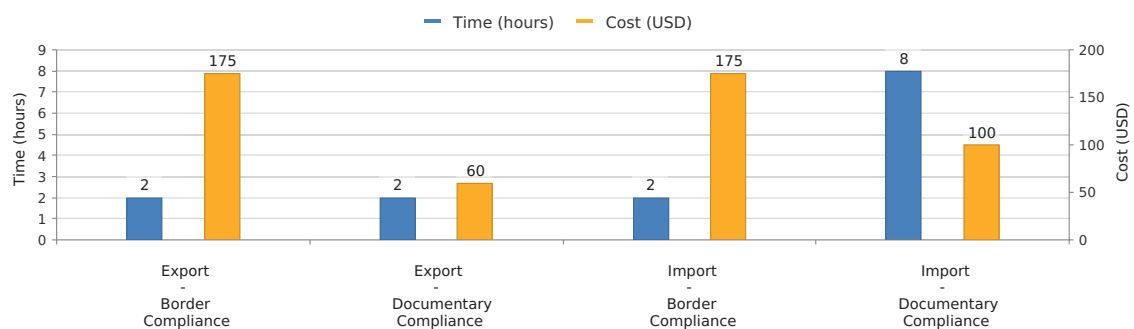
Indicator	Los Angeles	OECD high income	Best Regulatory Performance
Time to export: Border compliance (hours)	2	12.5	1 (19 Economies)
Cost to export: Border compliance (USD)	175	139.1	0 (19 Economies)
Time to export: Documentary compliance (hours)	2	12.5	1 (26 Economies)
Cost to export: Documentary compliance (USD)	60	35.2	0 (20 Economies)
Time to import: Border compliance (hours)	2	8.5	0 (25 Economies)
Cost to import: Border compliance (USD)	175	100.2	0 (28 Economies)
Time to import: Documentary compliance (hours)	8	3.4	1 (30 Economies)
Cost to import: Documentary compliance (USD)	100	24.9	0 (30 Economies)

Figure - Trading across Borders in Los Angeles and comparator economies - Ranking and Score



Note: The ranking of economies on the ease of trading across borders is determined by sorting their scores for trading across borders. These scores are the simple average of the scores for the time and cost for documentary compliance and border compliance to export and import.

Figure - Trading across Borders in Los Angeles - Time and Cost



Details - Trading across Borders in Los Angeles

Characteristics	Export	Import
Product	HS 84 : Nuclear reactors, boilers, machinery and mechanical appliances; parts thereof	HS 8708: Parts and accessories of motor vehicles
Trade partner	Canada	Mexico
Border	Detroit border crossing	El Paso border crossing
Distance (km)	3670	1295
Domestic transport time (hours)	85	31
Domestic transport cost (USD)	6017	1931

Details - Trading across Borders in Los Angeles - Components of Border Compliance

	Time to Complete (hours)	Associated Costs (USD)
Export: Clearance and inspections required by customs authorities	1.3	175.0
Export: Clearance and inspections required by agencies other than customs	0.0	0.0
Export: Port or border handling	0.5	0.0
Import: Clearance and inspections required by customs authorities	1.5	175.0
Import: Clearance and inspections required by agencies other than customs	0.0	0.0
Import: Port or border handling	0.5	0.0

类型
 商品
 贸易伙伴
 边境
 距离 (km)
 境内运输时间 (小时)
 境内运输费用

出口
 海关编码84类项下的商品
 加拿大
 底特律边境
 3670
 85
 6017

Details - Trading across Borders in Los Angeles - Trade Documents

Export	Import
Inland bill of lading	Inland bill of lading
Commercial invoice/ cargo control document	NAFTA - Certificate of origin
NAFTA Certificate of origin/ Canadian Customs Invoice	Commercial Invoice
Packing List	Packing List
	Customs Release Form 3461
	Customs Entry Form 7501

附件 9:《TECNON 月报》(2019 年 1 月至 12 月)

CHEMICAL BUSINESS FOCUS

A MONTHLY ROUNDUP AND ANALYSIS OF THE
KEY FACTORS SHAPING WORLD CHEMICAL MARKETS

CONTACT: WILLIAM BANN

Email: william.bann@orbichem.com

关于影响全球化工市场关键因素的分析与综述月报

Follow us on



- European Commission gives conditional approval to BASF-Solvay deal
- Europe engineering polymer demand held back by auto industry woes
- China, Asia caprolactam prices slump in January on weaker demand
- US caprolactam, PA 6 polymer prices decrease on weaker benzene
- Chinese polyamide filament demand weakens ahead of Spring Festival
- European PA 6 filament prices decrease but fail to stimulate demand

Caprolactam

In the US market, freely negotiated contracts for both caprolactam and polyamide 6 polymer have been adjusted lower to reflect the gap between formula-based contracts, as well as global prices. Caprolactam contract prices in Europe one again followed feedstock trends in January and were settled at a decrease of €52/ton compared to December 2018. In Taiwan, January import contract prices have decreased to \$1530-1620/ton cfr. Chinese caprolactam prices continued decreasing in early January, but stabilised in the second half of the month.

Polyamide 66 Intermediates

Ascend Performance Materials declared force majeure on hexamethylenediamine (HMDA) supplies in the United States in early January and placed customers on allocation. In Europe, mounting cost pressure and weaker downstream demand proved too much to resist in January, and adipic acid price decreases were reported at €60/ton. In China, adipic acid prices apparently bottomed out in early January before rebounding later in the month.

Polyamide Polymer

Polyamide 6 polymer and engineering resin prices in the United States and Europe decreased in January due to pressure from feedstock costs. In Europe, demand for engineering resins was notably weaker in January. In the PA 66 market, prices held steady in the US and Europe amid ongoing tightness in the chain. However, the automobile industry weakness continues as a drag on PA 66 resin demand. Polyamide 66 engineering resin prices extended losses through late December and into January on soft demand and ample availability.

Polyamide Fibre

Chinese and Taiwanese polyamide filament demand suffered through most of January due to falling prices, weakening feedstock costs and the approaching holiday. Polyamide BCF in the US and West Europe remained weak during January in what is normally a re-stocking month. However, US textile markets have remained surprisingly strong despite sharp price increases for PA66 filament in January.

价格追踪

美国价

		2018年10月 美分/加仑	2018年11月 美分/加仑	2018年12月 美分/加仑	2019年1月29日 美分/加仑	2019年1月29日 美元/吨
纯苯 *	合同	285.0	280.0	211.0	183.0	离岸价 548
	现货	266 - 267	205 - 211	186 - 188	189 - 192	离岸价 566 - 575
苯酚		美分/磅	美分/磅	美分/磅	美分/磅	美元/吨
	散货合同	59.4 - 70.0	57.7 - 68.3	48.3 - 58.9	46.5 - 56.2	完税后交货 1025 - 1239
	出口	54.0 - 56.0	60.0 - 62.0	44.0 - 46.0	37.0 - 39.0	离岸价 816 - 860
环己烷		美分/加仑	美分/加仑	美分/加仑	美分/加仑	美元/吨
	合同货挂牌	277	273	216	193	离岸价 652
	合同 交易	266 - 269	263 - 267	210 - 215	187 - 192	离岸价 632 - 649
己二酸		美分/磅	美分/磅	美分/磅	美分/磅	美元/吨
	合同	105 - 110	105 - 110	105 - 110	103 - 108	完税后交货 2271 - 2381
己内酰胺		美元/吨	美元/吨	美元/吨	美元/吨	美元/吨
	出口 (固体)	2100 - 2170	2000 - 2070	1670 - 1840	1450 - 1540	离岸价 1450 - 1540
尼龙6		美分/磅	美分/磅	美分/磅	美分/磅	美元/吨
	工程塑料树脂,原生,新客户	123.0 - 131.0	123.0 - 131.0	123.0 - 131.0	118.0 - 126.0	完税后交货 2601 - 2778
尼龙66	长丝					
	40旦 POY	260 - 270	260 - 270	260 - 270	285 - 295	完税后交货 6283 - 6504
	70/34 旦 POY	234 - 245	234 - 245	234 - 245	255 - 270	完税后交货 5622 - 5952
	工程塑料树脂,原生,新客户	195.0 - 200.0	195.0 - 205.0	195.0 - 205.0	195.0 - 205.0	完税后交货 4299 - 4519

* = 来源:PetroChem Wire

当天美元兑换率 (2019年1月28日)

欧元: 0.877 英镑: 0.759 (1/1.31) 日元: 109.7 新台币: 30.82 韩元: 1121.40 人民币: 6.77 卢比: 71.23

当天欧元兑换率 (2019年1月28日)

美元: 1.140 英镑: 0.865 (1/1.15) 日元: 125.0

本报告所包含的信息皆来自可信的资料来源，

但是对任何声称跟据本报告内容所做的商业决策，英国泰可荣全球化学有限公司概不负责。

未经英国泰可荣全球化学有限公司书面许可，严禁以任何方式对本报告的任何内容加以抄袭。



聚焦化工行业

ISSUE NUMBER 466
27TH FEBRUARY 2019
2019年2月27日

CHEMICAL BUSINESS FOCUS

A MONTHLY ROUNDUP AND ANALYSIS OF THE
KEY FACTORS SHAPING WORLD CHEMICAL MARKETS

CONTACT: WILLIAM BANN

Email: william.bann@orbichem.com

关于影响全球化工市场关键因素的分析与综述月报



- Europe caprolactam, polyamide 6 prices decrease in February
- China polyamide market demand slow to recover after holidays
- Higher benzene prices offer support to Asia caprolactam prices
- US, Europe phenol market supplies tighten on plant outages, demand
- Chinese filament demand improves on positive US-China trade reports
- Invista signs memorandum of understanding for China ADN project

Caprolactam

Caprolactam demand in North America remained strong during February as producers maintained high operating rates. In Europe, caprolactam prices dipped lower by €30/ton as the market correction continued in February. Chinese caprolactam spot market prices kept increasing after the Spring Festival Holiday. Taiwan import contract prices increased \$50-70/ton in February on higher feedstock costs.

Polyamide 66 Intermediates

Adipic acid supply and demand was steady in North America. European adipic acid producers continued to adjust output to match demand amid flat pricing in February. China's adipic acid market prices increased after the Lunar New Year Holiday. US-based Invista and the Shanghai Chemical Industry Park have signed a memorandum of cooperation regarding a proposed 400 ktpa adiponitrile plant in China.

Polyamide Polymer

The PA 6 polymer market in the US was more stable in February following the price decreases seen in January. Polyamide 6 engineering resin prices remained in a downward trend in Europe. In China, PA 6 resin prices increased after the Lunar New Year holiday on higher feedstocks. Supplies of PA 66 resin remained tight globally although lower demand has provided some measure of relief to the markets.

Polyamide Fibre

Polyamide filament demand in China has increased following the holidays in response to both rising prices and good news from US-China trade talks. Producers have raised utilisation to the 80% range by the end of February. US polyamide filament markets are mixed with weakness in carpet businesses and relatively good demand in textile applications. European polyamide BCF volumes remained depressed.

价格追踪

美国价

		2018年11月 美分/加仑	2018年12月 美分/加仑	2019年1月 美分/加仑	2019年2月27日 美分/加仑	2019年2月27日 美元/吨
纯苯 *	合同	280.0	211.0	183.0	193.0	离岸价 578
	现货	205 - 211	186 - 188	189 - 192	195 - 199	离岸价 584 - 596
苯酚		美分/磅	美分/磅	美分/磅	美分/磅	美元/吨
	散货合同	57.7 - 68.3	48.3 - 58.9	46.5 - 56.2	47.8 - 57.5	完税后交货 1054 - 1268
	出口	60.0 - 62.0	44.0 - 46.0	37.0 - 39.0	41.0 - 42.0	离岸价 904 - 926
环己烷		美分/加仑	美分/加仑	美分/加仑	美分/加仑	美元/吨
	合同货挂牌	273	216	193	194	离岸价 656
	合同 交易	263 - 267	210 - 215	187 - 192	190 - 194	离岸价 642 - 656
己二酸		美分/磅	美分/磅	美分/磅	美分/磅	美元/吨
	合同	105 - 110	105 - 110	103 - 108	103 - 108	完税后交货 2271 - 2381
己内酰胺		美元/吨	美元/吨	美元/吨	美元/吨	美元/吨
	出口 (固体)	2000 - 2070	1670 - 1840	1450 - 1540	1530 - 1600	离岸价 1530 - 1600
尼龙6	工程塑料树脂,原生,新客户	美分/磅	美分/磅	美分/磅	美分/磅	美元/吨
		123.0 - 131.0	123.0 - 131.0	118.0 - 126.0	118.0 - 126.0	完税后交货 2601 - 2778
尼龙66	长丝					
	40旦 POY	260 - 270	260 - 270	285 - 295	285 - 295	完税后交货 6283 - 6504
	70/34 旦 POY	234 - 245	234 - 245	255 - 270	255 - 270	完税后交货 5622 - 5952
	工程塑料树脂,原生,新客户	195.0 - 205.0	195.0 - 205.0	195.0 - 205.0	195.0 - 205.0	完税后交货 4299 - 4519

* = 来源:PetroChem Wire

当天美元汇率 (2019年2月26日)

欧元: 0.880 英镑: 0.755 (1/1.32 日元: 110.7 新台币: 30.79 韩元: 1118.70 人民币: 6.70 卢比: 71.06

当天欧元汇率 (2019年2月26日)

美元: 1.136 英镑: 0.858 (1/1.16 日元: 125.8

本报告所包含的信息皆来自可信的资料来源，

但是对任何声称跟据本报告内容所做的商业决策，英国泰可荣全球化学有限公司概不负责。

未经英国泰可荣全球化学有限公司书面许可，严禁以任何方式对本报告的任何内容加以抄袭。

CHEMICAL BUSINESS FOCUS

A MONTHLY ROUNDUP AND ANALYSIS OF THE
KEY FACTORS SHAPING WORLD CHEMICAL MARKETS

CONTACT: WILLIAM BANN

Email: william.bann@orbichem.com

关于影响全球化工市场关键因素的分析与综述月报



- European PA 6 polymer prices ease lower on supply length
- Asia caprolactam market prices increase despite weak PA 6
- Polyamide 66 resin prices decrease on weaker demand in Q1
- US, EU phenol prices expected to increase on tight supplies
- Chinese polyamide filament demand weakens with rising prices
- European textile polyamide filament markets quiet in March

Caprolactam

Caprolactam prices in the US were stable in March, while demand for caprolactam in Q1 and March has been reasonable, but lower if compared to same period last year or monthly-average in 2018. Some participants noted an improvement in demand in the second half of March. Following tough negotiations, caprolactam monthly prices in Europe settled at an increase of €15/ton. In Taiwan, the March import contract price assessment is \$1720-1765/ton, an increase of \$95-120/ton from February settlements.

Polyamide 66 Intermediates

Weaker demand for polyamide 66 polymers has put downward pressure on adipic acid prices in the United States and Europe. Ascend Performance Materials extended its force majeure on HMDA due to logistics delays. Radici lifted its FM declaration on HMDA in March after more than one year in effect. In China, adipic acid's uptrend fizzled out in late February with demand falling short of high season expectations. Spot adipic acid prices slumped in late March to Rmb8300-8700/ton, down Rmb300-500/ton from the previous month.

Polyamide Polymer

US polyamide 6 prices were stable in March and market participants noted stable to increased demand across various market sectors. In Europe, market supplies continued to lengthen in March, and prices came under further downward pressure despite higher feedstock costs. In China, the average inventory of the polymer producers remained at high levels amid weaker overall demand. In the polyamide 66 market, weak demand has made an impact on prices in all regions during the first quarter.

Polyamide Fibre

Chinese polyamide filament demand has weakened due to lower demand for "feather-yarn" filament and supply chain destocking. Prices are trending higher due to raw material increases. Weakness continues in both US and European carpet markets. Commercial carpet demand in the US is better than residential, which is differentially supporting polyamide BCF demand, while residential markets are significantly down. European textile demand is muted with traditional PA66 sectors weaker than PA6 markets.

价格追踪

美国价

		2018年12月 美分/加仑	2019年1月 美分/加仑	2019年2月 美分/加仑	2019年3月29日 美分/加仑		2019年3月29日 美元/吨
纯苯 *	合同	211.0	183.0	193.0	202.0	离岸价	605
	现货	186 - 188	189 - 192	195 - 199	231 - 233	离岸价	691 - 697
苯酚		美分/磅	美分/磅	美分/磅	美分/磅		美元/吨
	散货合同	48.3 - 58.9	46.5 - 56.2	47.8 - 57.5	49.0 - 58.7	完税后交货	1080 - 1294
	出口	44.0 - 46.0	37.0 - 39.0	41.0 - 42.0	45.8 - 47.6	离岸价	1010 - 1049
环己烷		美分/加仑	美分/加仑	美分/加仑	美分/加仑		美元/吨
	合同货挂牌	216	193	201 ‡	208	离岸价	703
	合同 交易	210 - 215	187 - 192	190 - 194	196 - 199	离岸价	662 - 673
己二酸		美分/磅	美分/磅	美分/磅	美分/磅		美元/吨
	合同	105 - 110	103 - 108	103 - 108	98 - 103	完税后交货	2161 - 2271
己内酰胺		美元/吨	美元/吨	美元/吨	美元/吨		美元/吨
	出口 (固体)	1670 - 1840	1450 - 1540	1530 - 1600	1650 - 1700	离岸价	1650 - 1700
尼龙6		美分/磅	美分/磅	美分/磅	美分/磅		美元/吨
	工程塑料树脂,原生,新客户	123.0 - 131.0	118.0 - 126.0	118.0 - 126.0	118.0 - 126.0	完税后交货	2601 - 2778
尼龙66	长丝						
	40旦 POY	260 - 270	285 - 295	285 - 295	285 - 295	完税后交货	6283 - 6504
	70/34 旦 POY	234 - 245	255 - 270	255 - 270	255 - 270	完税后交货	5622 - 5952
	工程塑料树脂,原生,新客户	195.0 - 205.0	195.0 - 205.0	195.0 - 205.0	188.0 - 198.0	完税后交货	4145 - 4365

* = 来源:PetroChem Wire

‡ = 校正

当天美元兑换率 (2019年3月28日)

欧元: 0.890 英镑: 0.764 (1/1.30) 日元: 110.6 新台币: 30.84 韩元: 1136.85 人民币: 6.73 卢比: 69.15

当天欧元兑换率 (2019年3月28日)

美元: 1.123 英镑: 0.859 (1/1.16) 日元: 124.2

本报告所包含的信息皆来自可信的资料来源，

但是对任何声称跟据本报告内容所做的商业决策，英国泰可荣全球化学有限公司概不负责。

未经英国泰可荣全球化学有限公司书面许可，严禁以任何方式对本报告的任何内容加以抄袭。

聚焦化工行业

CHEMICAL BUSINESS FOCUS

A MONTHLY ROUNDUP AND ANALYSIS OF THE
KEY FACTORS SHAPING WORLD CHEMICAL MARKETS

CONTACT: WILLIAM BANN

Email: william.bann@orbichem.com

关于影响全球化工市场关键因素的分析与综述月报



- Asia caprolactam prices increase in April, put pressure on PA 6
- China, Asia PA 66 prices slump further in April on weak demand
- US caprolactam, PA 6 suppliers expected to seek price increases in May
- China PA 6 feather yarn demand falls short of expectations in early 2019
- US textile filament market experiencing PA 6 substitution for PA 66
- Cyclohexanone prices rise in East Asia to around \$1375-1400/ton cfr

Caprolactam

US caprolactam production was running at high rates in April without any operational issues reported. Freely negotiated prices rolled over in April despite further increases in benzene prices. In Europe, the caprolactam reference price in April settled at an increase of €25/ton compared to March. In Taiwan, the April import contract price range was settled at \$1740-1790/ton, increases of \$20-25/ton from March settlements. China domestic caprolactam prices for April settled at Rmb14550-14750/ton, increases of Rmb250/ton from March.

Polyamide 66 Intermediates

The US adipic acid market was stable in April, which was in line with general expectations about the market. It was understood shipments of HMDA were delayed leaving the US Gulf due to the closure of the Houston Ship Channel in late March/April. Adipic acid prices in Europe increased in April on the back of firmer feedstock prices. Chinese adipic acid prices have been falling since early April on soft demand and weak benzene prices. China chemical plant explosion in Jiangsu province prompts shutdown of Haili's adipic acid plant.

Polyamide Polymer

The US polyamide 6 engineering resin market was stable in April, but producers are expected to push for price increases in May. PA 66 engineering resin prices eased lower again in April, falling another 2-3 c/lb in line with weaker prices in all regions. In Europe, the PA 6 engineering resin price rolled over in April despite higher feedstock costs. In the PA 66 market, prices eased lower again in April as de-stocking activity continued. China domestic PA 66 prices slumped further to Rmb28000-29000/ton, down Rmb2500/ton from March.

Polyamide Fibre

US BCF markets are experiencing modestly improved production and demand after a dismal start to the year. All polyamide filament sectors in Europe are suffering weak demand which has been intensified by customer outages due to extended holidays in April. In China, market participants said demand during the months of April and May, which are usually considered the high season for the polyamide fibre industry, are not expected to be as robust this year.

价格追踪

美国价

		2019年1月 美分/加仑	2019年2月 美分/加仑	2019年3月 美分/加仑	2019年4月29日 美分/加仑	2019年4月29日 美元/吨
纯苯 *	合同	183.0	193.0	202.0	225.0	离岸价 673
	现货	189 - 192	195 - 199	231 - 233	233 - 235	离岸价 697 - 703
苯酚		美分/磅	美分/磅	美分/磅	美分/磅	美元/吨
	散货合同	46.5 - 56.2	47.8 - 57.5	49.0 - 58.7	54.1 - 63.8	完税后交货 1193 - 1407
	出口	37.0 - 39.0	41.0 - 42.0	45.8 - 47.6	40.4 - 41.7	离岸价 891 - 919
环己烷		美分/加仑	美分/加仑	美分/加仑	美分/加仑	美元/吨
	合同货挂牌	193	201	208	227	离岸价 767
	合同 交易	187 - 192	190 - 194	196 - 199	216 - 219	离岸价 730 - 740
己二酸		美分/磅	美分/磅	美分/磅	美分/磅	美元/吨
	合同	103 - 108	103 - 108	98 - 103	98 - 103	完税后交货 2161 - 2271
己内酰胺		美元/吨	美元/吨	美元/吨	美元/吨	美元/吨
	出口 (固体)	1450 - 1540	1530 - 1600	1650 - 1700	1670 - 1720	离岸价 1670 - 1720
尼龙6		美分/磅	美分/磅	美分/磅	美分/磅	美元/吨
	工程塑料树脂,原生,新客户	118.0 - 126.0	118.0 - 126.0	118.0 - 126.0	118.0 - 126.0	完税后交货 2601 - 2778
尼龙66	长丝					
	40旦 POY	285 - 295	285 - 295	285 - 295	285 - 295	完税后交货 6283 - 6504
	70/34 旦 POY	255 - 270	255 - 270	255 - 270	255 - 270	完税后交货 5622 - 5952
	工程塑料树脂,原生,新客户	195.0 - 205.0	195.0 - 205.0	188.0 - 198.0	186.0 - 195.0	完税后交货 4101 - 4299

* = 来源:PetroChem Wire

当天美元兑换率 (2019年4月26日)

欧元: 0.896 英镑: 0.773 (1/1.29) 日元: 111.6 新台币: 30.90 韩元: 1161.00 人民币: 6.74 卢比: 70.02

当天欧元兑换率 (2019年4月26日)

美元: 1.116 英镑: 0.863 (1/1.15) 日元: 124.5

本报告所包含的信息皆来自可信的资料来源，

但是对任何声称跟据本报告内容所做的商业决策，英国泰可荣全球化学有限公司概不负责。

未经英国泰可荣全球化学有限公司书面许可，严禁以任何方式对本报告的任何内容加以抄袭。



ISSUE NUMBER 469
30TH MAY 2019
2019年5月30日

聚焦化工行业

CHEMICAL BUSINESS FOCUS

A MONTHLY ROUNDUP AND ANALYSIS OF THE
KEY FACTORS SHAPING WORLD CHEMICAL MARKETS

CONTACT: WILLIAM BANN

Email: william.bann@orbichem.com

关于影响全球化工市场关键因素的分析与综述月报



- US polyamide 6, caprolactam market prices maintain stable trend
- Ascend formally lifts force majeure on PA 66 polymer, HMDA in May
- China PA 66 engineering resin prices slump further in May on soft demand
- Northeast Asia caprolactam prices under pressure as gap widens with China
- Europe PA 6, caprolactam talks hampered by weak market sentiment
- Renewed trade tension puts China PA filament market buying on hold

Caprolactam

Caprolactam prices in the United States rolled over in May on the back of softer demand and adequate supplies. Producers were operating normally during the month. Monthly negotiations in Europe remained challenging due to higher benzene costs. Like in the US, however, softer final demand and some supply length thwarted producers' efforts beyond some minor increases. In Asia, producers in Taiwan have cut production rates in some cases due to falling prices and soft demand. Prices in China slumped further during May.

Polyamide 66 Intermediates

Ascend Performance Materials officially lifted the force majeure declaration on HMDA, polyamide 66 polymers, compounds and fibres, in mid-May. US adipic acid supplies are considered balanced and no production problems were reported during May. Adipic acid price in Europe edged higher in May as producers managed to achieve some increases on the back of higher production costs. Chinese adipic acid prices remained stable to weak for most of May on back of lacklustre demand and ample availability.

Polyamide Polymer

The polyamide resin demand was softer than expected in May. Prices for PA 6 resin were flat while PA 66 prices were slightly lower. Polyamide 6 resin prices in Europe rolled over for May while PA 66 prices edged lower on soft demand. In Asia, PA 6 polymer prices fell sharply in May. Taiwan spot semi dull PA 6 prices were offered at \$1900-1930/ton cfr, but some buyers are looking for prices below \$1800/ton. In China, prices for engineering resins were Rmb12500-13500/ton, down Rmb1800-2000/ton from late April.

Polyamide Fibre

The trade dispute between China and US reportedly had a sharp influence the filament and fabric markets during May. Downstream customers in China reported orders decreased sharply from mid May after the resumption of the trade dispute. In Taiwan, polyamide 6 filament demand in Taiwan remained weak in May. In the US, a slight increase of fibre prices was noted for May/June following very strong demand from weaving sectors. European polyamide BCF volumes remained at low levels.

价格追踪

美国价

		2019年2月 美分/加仑	2019年3月 美分/加仑	2019年4月 美分/加仑	2019年5月29日 美分/加仑		2019年5月29日 美元/吨
纯苯 *	合同	193.0	202.0	225.0	233.0	离岸价	697
	现货	195 - 199	231 - 233	233 - 235	235 - 237	离岸价	703 - 709
苯酚		美分/磅	美分/磅	美分/磅	美分/磅		美元/吨
	新散货合同	38.9 - 40.9	39.4 - 41.4	44.6 - 46.6	45.6 - 47.6	离岸价	1005 - 1049
	散货合同	47.8 - 57.5	49.0 - 58.7	54.1 - 63.8	55.1 - 64.8	完税后交货	1215 - 1429
	出口	41.0 - 42.0	45.8 - 47.6	40.4 - 41.7	39.5 - 40.8	离岸价	871 - 899
环己烷		美分/加仑	美分/加仑	美分/加仑	美分/加仑		美元/吨
	合同货挂牌	201	208	227	234	离岸价	791
	合同 交易	190 - 194	196 - 199	216 - 219	221 - 224	离岸价	747 - 757
己二酸		美分/磅	美分/磅	美分/磅	美分/磅		美元/吨
	合同	103 - 108	98 - 103	98 - 103	98 - 103	完税后交货	2161 - 2271
己内酰胺		美元/吨	美元/吨	美元/吨	美元/吨		美元/吨
	出口 (固体)	1530 - 1600	1650 - 1700	1670 - 1720	1640 - 1720	离岸价	1640 - 1720
尼龙6		美分/磅	美分/磅	美分/磅	美分/磅		美元/吨
	工程塑料树脂,原生,新客户	118.0 - 126.0	118.0 - 126.0	118.0 - 126.0	118.0 - 126.0	完税后交货	2601 - 2778
尼龙66	长丝						
	40旦 POY	285 - 295	285 - 295	285 - 295	285 - 295	完税后交货	6283 - 6504
	70/34 旦 POY	255 - 270	255 - 270	255 - 270	255 - 270	完税后交货	5622 - 5952
	工程塑料树脂,原生,新客户	195.0 - 205.0	188.0 - 198.0	186.0 - 195.0	184.0 - 193.0	完税后交货	4056 - 4255

* = 来源:PetroChem Wire

当天美元兑换率 (2019年5月28日)

欧元: 0.895 英镑: 0.789 (1/1.26) 日元: 109.5 新台币: 31.43 韩元: 1186.10 人民币: 6.91 卢比: 69.69

当天欧元兑换率 (2019年5月28日)

美元: 1.117 英镑: 0.882 (1/1.13) 日元: 122.4

本报告所包含的信息皆来自可信的资料来源，

但是对任何声称跟据本报告内容所做的商业决策，英国泰可荣全球化学有限公司概不负责。

未经英国泰可荣全球化学有限公司书面许可，严禁以任何方式对本报告的任何内容加以抄袭。

CHEMICAL BUSINESS FOCUS

A MONTHLY ROUNDUP AND ANALYSIS OF THE
KEY FACTORS SHAPING WORLD CHEMICAL MARKETS

CONTACT: WILLIAM BANN

Email: william.bann@orbichem.com

关于影响全球化工市场关键因素的分析与综述月报



- Soft demand in global polyamide markets continues through Q2
- Asia polyamide market prices retreat as economic pressure rises
- China adipic acid export prices slump to three-year lows in June
- Europe caprolactam, PA 6 markets follow feedstock benzene lower
- Tyrecord producers cut operating rates to combat growing inventories
- Phenol consumers face further price increases during July

Caprolactam

The US caprolactam market remained stable in terms of supply/demand as well as the cost and price for caprolactam and polyamide 6 polymer. The market is considered well-supplied. In Europe, caprolactam prices slumped during June on the back of soft demand and lower feedstock prices. In Taiwan, spot caprolactam offers fell to \$1400-1450/ton in late June. Import contract prices were seen at \$1450/ton and \$1520/ton, decreases of around \$260-270/ton compared to May. In China, prices also decreased sharply during June before stabilising toward the end of the month.

Polyamide 66 Intermediates

The US adipic acid market was well-supplied in June as questions about the PA 66 market dominated the entire value chain. The adipic acid market in Europe was weaker than expected during June on lower consumption in both the PA 66 market and the polyurethane market. The Chinese remained weak into June amid softer demand and mounting pressure on supply. Domestic Chinese spot prices moved to Rmb7600-8000/ton, down Rmb200/ton during the month. Spot export prices tumbled to \$960-1030/ton amid competitive offers from producers.

Polyamide Polymer

US polyamide 6 engineering resin market conditions were fairly stable situation faced during June, although demand continued to be mixed across the various applications. Prices for PA6 resin in Europe decreased in June in line with feedstock levels and soft demand. In China, PA 6 resin prices rebounded slightly late in the month. The PA66 engineering resin market remained weak in all regions, with prices under constant downward pressure.

Polyamide Fibre

Polyamide 6 filament prices in China kept decreasing in June as soft demand led to higher average inventory levels. In Taiwan, PA6 filament demand remained weak in June and prices decreased in line with lower feedstock levels. Fibre prices in North America remained stable and no noteworthy changes in yarn production were reported. European polyamide BCF volumes remained on a low level following weak demand from the automotive industry and home textiles.

价格追踪

美国价

		2019年3月 美分/加仑	2019年4月 美分/加仑	2019年5月 美分/加仑	2019年6月26日 美分/加仑	2019年6月26日 美元/吨
纯苯 *	合同	202.0	225.0	233.0	234.0	离岸价 700
	现货	231 - 233	233 - 235	235 - 237	308 - 310	离岸价 922 - 928
苯酚		美分/磅	美分/磅	美分/磅	美分/磅	美元/吨
	新散货合同	39.4 - 41.4	44.6 - 46.6	45.6 - 47.6	45.8 - 47.8	离岸价 1010 - 1054
	散货合同	49.0 - 58.7	54.1 - 63.8	55.1 - 64.8	54.9 - 65.0	完税后交货 1210 - 1433
	出口	45.8 - 47.6	40.4 - 41.7	39.5 - 40.8	39.0 - 39.5	离岸价 860 - 871
环己烷		美分/加仑	美分/加仑	美分/加仑	美分/加仑	美元/吨
	合同货挂牌	208	227	234	235	离岸价 794
	合同 交易	196 - 199	216 - 219	221 - 224	222 - 225	离岸价 750 - 761
己二酸		美分/磅	美分/磅	美分/磅	美分/磅	美元/吨
	合同	98 - 103	98 - 103	98 - 103	96 - 101	完税后交货 2116 - 2227
己内酰胺		美元/吨	美元/吨	美元/吨	美元/吨	美元/吨
	出口 (固体)	1650 - 1700	1670 - 1720	1640 - 1720	1380 - 1450	离岸价 1380 - 1450
尼龙6		美分/磅	美分/磅	美分/磅	美分/磅	美元/吨
	工程塑料树脂,原生,新客户	118.0 - 126.0	118.0 - 126.0	118.0 - 126.0	118.0 - 126.0	完税后交货 2601 - 2778
尼龙66	长丝					
	40旦 POY	285 - 295	285 - 295	285 - 295	285 - 295	完税后交货 6283 - 6504
	70/34 旦 POY	255 - 270	255 - 270	255 - 270	255 - 270	完税后交货 5622 - 5952
	工程塑料树脂,原生,新客户	188.0 - 198.0	186.0 - 195.0	184.0 - 193.0	180.0 - 189.0	完税后交货 3968 - 4167

* = 来源:PetroChem Wire

当天美元兑换率 (2019年6月25日)

欧元: 0.879 英镑: 0.786 (1/1.27 日元: 107.0 新台币: 31.11 韩元: 1156.30 人民币: 6.88 卢比: 69.35

当天欧元兑换率 (2019年6月25日)

美元: 1.138 英镑: 0.895 (1/1.11 日元: 121.7

本报告所包含的信息皆来自可信的资料来源，

但是对任何声称跟据本报告内容所做的商业决策，英国泰可荣全球化学有限公司概不负责。

未经英国泰可荣全球化学有限公司书面许可，严禁以任何方式对本报告的任何内容加以抄袭。

聚焦化工行业 CHEMICAL BUSINESS FOCUS

A MONTHLY ROUNDUP AND ANALYSIS OF THE
KEY FACTORS SHAPING WORLD CHEMICAL MARKETS

CONTACT: WILLIAM BANN

Email: william.bann@orbichem.com

关于影响全球化工市场关键因素的分析与综述月报



- China polyamide 6 prices lifted in July by increased feedstock values
- Europe caprolactam producers remain cautious regarding demand in Q3
- Polyamide 66 markets languishing in response to auto industry slump
- Global tyre record markets feeling impact of softer automobile sales
- Butachimie turnaround delayed slightly to late September: sources
- New joint venture company planning adiponitrile plant in China

Caprolactam

The US caprolactam market supply/demand balance in North America was stable in July amid ample supply and softening demand. Freely negotiated prices rolled over. In Europe, caprolactam demand has remained soft or very soft depending on the source. Caprolactam margins came under increased pressure in July following an increase in benzene contract prices. In Taiwan, the import contract price was settled at \$1425-1520/ton, with the low-end price showing a decrease of \$25/ton in July. Domestic contract prices in China increased sharply in July on the back of higher feedstock costs.

Polyamide 66 Intermediates

The US adipic acid market reportedly was stable in July as the general outlook for downstream markets remained mixed. The start of Butachimie's adiponitrile plant turnaround in France has been pushed back about three weeks to late September, according to market participants. Europe's adipic acid prices decreased slightly in July. Chinese adipic acid prices bottomed out in late June before gaining some ground in July, which is the first major rebound since March. Tianchen Qixiang New Materials has announced plans to a new PA 66 facility, including adiponitrile.

Polyamide Polymer

The US polyamide 6 engineering resin market was stable and freely negotiated prices decreased despite a sizable increase in benzene. In Europe, PA 6 engineering polymer prices decreased €40/ton amid tough negotiations. In China, prices for PA 6 high-speed spinning applications are Rmb13100-13700/ton in late July. The global PA 66 market languished in response to the slowdown in automotive markets and other economic activity. The US market showed a little more resilience but pressure is mounting. PA 66 engineering resin prices in China and Asia slumped further during July.

Polyamide Fibre

Filament prices kept increasing during the past month in China, mainly because of the increased feedstock price. Polyamide 6 filament demand in Taiwan remained weak in July. In India, the commerce ministry has initiated an investigation into the suspected dumping of nylon multifilament yarn from China, South Korea, Taiwan and Thailand. The US market remained in quite good condition in July with fibre prices remaining stable as the seasonally quiet summer months began. In Europe, polyamide textile filament demand remained poor amid growing pressure from imports.

价格追踪

美国价

		2019年4月 美分/加仑	2019年5月 美分/加仑	2019年6月 美分/加仑	2019年7月26日 美分/加仑		2019年7月26日 美元/吨
纯苯 *	合同	225.0	233.0	234.0	267.0	离岸价	799
	现货	233 - 235	235 - 237	308 - 310	252 - 254	离岸价	754 - 760
苯酚		美分/磅	美分/磅	美分/磅	美分/磅		美元/吨
	新散货合同	44.6 - 46.6	45.6 - 47.6	45.8 - 47.8	45.8 - 47.8	离岸价	1010 - 1054
	散货合同	54.1 - 63.8	55.1 - 64.8	54.9 - 65.0	59.4 - 69.5	完税后交货	1310 - 1532
环己烷		美分/加仑	美分/加仑	美分/加仑	美分/加仑		美元/吨
	出口	40.4 - 41.7	39.5 - 40.8	39.0 - 39.5	34.9 - 35.4	离岸价	769 - 780
	合同货挂牌	227	234	235	262	离岸价	886
己二酸	合同交易	216 - 219	221 - 224	222 - 225	248 - 250	离岸价	838 - 845
		美分/磅	美分/磅	美分/磅	美分/磅		美元/吨
己内酰胺	合同	98 - 103	98 - 103	96 - 101	96 - 101	完税后交货	2116 - 2227
		美元/吨	美元/吨	美元/吨	美元/吨		美元/吨
尼龙6	出口 (固体)	1670 - 1720	1640 - 1720	1380 - 1450	1360 - 1455	离岸价	1360 - 1455
		美分/磅	美分/磅	美分/磅	美分/磅		美元/吨
尼龙66	工程塑料树脂,原生,新客户	118.0 - 126.0	118.0 - 126.0	118.0 - 126.0	118.0 - 126.0	完税后交货	2601 - 2778
	长丝						
	40旦 POY	285 - 295	285 - 295	285 - 295	285 - 295	完税后交货	6283 - 6504
	70/34 旦 POY	255 - 270	255 - 270	255 - 270	255 - 270	完税后交货	5622 - 5952
	工程塑料树脂,原生,新客户	186.0 - 195.0	184.0 - 193.0	180.0 - 189.0	178.0 - 187.0	完税后交货	3924 - 4123

* = 来源:PetroChem Wire

当天美元兑换率 (2019年7月26日)

欧元: 0.899 英镑: 0.807 (1/1.23 日元: 108.7 新台币: 31.08 韩元: 1184.85 人民币: 6.88 卢比: 68.90

当天欧元兑换率 (2019年7月26日)

美元: 1.113 英镑: 0.898 (1/1.11 日元: 120.9

本报告所包含的信息皆来自可信的资料来源，

但是对任何声称跟据本报告内容所做的商业决策，英国泰可荣全球化学有限公司概不负责。

未经英国泰可荣全球化学有限公司书面许可，严禁以任何方式对本报告的任何内容加以抄袭。

CHEMICAL BUSINESS FOCUS

A MONTHLY ROUNDUP AND ANALYSIS OF THE
KEY FACTORS SHAPING WORLD CHEMICAL MARKETS

CONTACT: WILLIAM BANN

Email: william.bann@orbichem.com

关于影响全球化工市场关键因素的分析与综述月报



- Domo to buy certain Solvay assets as part of BASF-Solvay remedy package
- BASF acquisition of Solvay's PA 66 business scheduled to close end 2019
- Europe caprolactam prices roll over in August despite firmer benzene
- China adipic acid prices ease lower during August as demand slumps
- Asia tyre record producers running plants at 70%-75% rates during Q3
- Cyclohexanone market activity softens in China as margins shrivel

Caprolactam

The supply/demand situation remained balanced for caprolactam in the United States. Both producers have been running at high rates with no issues reported, but both of them have scheduled turnarounds in September and October. The benzene contract price increase in August created another tough set of conditions for the European caprolactam market. Price negotiations continue late into the month. The market was quiet during the summer holiday period. Taiwan import contract price settlements were at \$1470-1530/ton in August, slightly above July levels. China's caprolactam prices decreased during August due to weak demand and lower feedstocks.

Polyamide 66 Intermediates

The US adipic acid market was mostly steady during August, and the market reportedly was balanced in terms of supply and demand. Domo Chemicals to become new joint venture partner for BASF for adipic acid at Chalampe, France, pending approval from the European Commission. The Chinese adipic acid market lost steam again in early August due to the downturns in feedstock benzene prices. Soft demand caused adipic acid prices to decrease Rmb50-100/ton during the month even though benzene prices firmed later in August.

Polyamide Polymer

US polyamide 6 and polyamide 66 engineering resin market prices slipped lower during August. Meanwhile, demand remained slightly higher in North America compared to other regions. In Europe, price negotiations for PA 6 polymers were once again framed by over-supply and weaker demand on one hand, and by higher feedstock prices on the other. In the PA66 engineering resin market, there was very little change in market conditions during August. PA 6 polymer prices in China stayed weak during the past month, mainly due to the sluggish demand. Also, the PA 66 engineering resin market did not see any signs of reversal of course in August.

Polyamide Fibre

Polyamide filament prices in China kept decreasing during the past month, mainly because of the sluggish demand. In Taiwan, prices were flat month-on-month, but demand remained fairly weak during August. In the US, fibre plant utilisation rates dropped to 75-80% and are not expected to pick up in the short-term. In Europe, demand was affected by the summer holiday period but still remained under pressure due to the weak automobile market.

价格追踪

美国价

		2019年5月 美分/加仑	2019年6月 美分/加仑	2019年7月 美分/加仑	2019年8月29日 美分/加仑	2019年8月29日 美元/吨
纯苯 *	合同	233.0	234.0	267.0	254.0	离岸价 760
	现货	235 - 237	308 - 310	252 - 254	252 - 256	离岸价 754 - 766
苯酚		美分/磅	美分/磅	美分/磅	美分/磅	美元/吨
	新散货合同	45.6 - 47.6	45.8 - 47.8	50.3 - 52.3 ‡	48.5 - 50.5	离岸价 1069 - 1113
	散货合同	55.1 - 64.8	54.9 - 65.0	59.4 - 69.5	57.8 - 67.5	完税后交货 1274 - 1488
	出口	39.5 - 40.8	39.0 - 39.5	34.9 - 35.4	34.0 - 35.3	离岸价 750 - 778
环己烷		美分/加仑	美分/加仑	美分/加仑	美分/加仑	美元/吨
	合同货挂牌	234	235	262	251	离岸价 848
	合同 交易	221 - 224	222 - 225	248 - 250	237 - 240	离岸价 801 - 811
己二酸		美分/磅	美分/磅	美分/磅	美分/磅	美元/吨
	合同	98 - 103	96 - 101	96 - 101	94 - 99	完税后交货 2072 - 2183
己内酰胺		美元/吨	美元/吨	美元/吨	美元/吨	美元/吨
	出口 (固体)	1640 - 1720	1380 - 1450	1360 - 1455	1360 - 1455	离岸价 1360 - 1455
尼龙6		美分/磅	美分/磅	美分/磅	美分/磅	美元/吨
	工程塑料树脂,原生,新客户	118.0 - 126.0	118.0 - 126.0	118.0 - 126.0	116.0 - 124.0	完税后交货 2557 - 2734
尼龙66	长丝					
	40旦 POY	285 - 295	285 - 295	285 - 295	285 - 295	完税后交货 6283 - 6504
	70/34 旦 POY	255 - 270	255 - 270	255 - 270	255 - 270	完税后交货 5622 - 5952
	工程塑料树脂,原生,新客户	184.0 - 193.0	180.0 - 189.0	178.0 - 187.0	176.0 - 185.0	完税后交货 3880 - 4079

* = 来源:PetroChem Wire

‡ = 校正

当天美元兑换率 (2019年8月28日)

欧元: 0.903 英镑: 0.818 (1/1.22) 日元: 105.9 新台币: 31.41 韩元: 1214.00 人民币: 7.16 卢比: 71.77

当天欧元兑换率 (2019年8月28日)

美元: 1.108 英镑: 0.906 (1/1.10) 日元: 117.3

本报告所包含的信息皆来自可信的资料来源，

但是对任何声称跟据本报告内容所做的商业决策，英国泰可荣全球化学有限公司概不负责。

未经英国泰可荣全球化学有限公司书面许可，严禁以任何方式对本报告的任何内容加以抄袭。

聚焦化工行业 CHEMICAL BUSINESS FOCUS

A MONTHLY ROUNDUP AND ANALYSIS OF THE
KEY FACTORS SHAPING WORLD CHEMICAL MARKETS

CONTACT: WILLIAM BANN

Email: william.bann@orbichem.com

关于影响全球化工市场关键因素的分析与综述月报



- Butachimie begins scheduled adiponitrile plant turnaround in France
- Europe PA 6, caprolactam prices flat in September despite higher benzene
- China adipic acid firms slightly but loses momentum in late September
- China implements anti-dumping duties on phenol imports in September
- US caprolactam producers begin scheduled outages amid softer demand
- Cyclohexanone demand softens during September, prices ease lower

Caprolactam

The North American caprolactam market was quiet in September compared to previous months. Supply was slightly limited due to scheduled turnarounds at both major producers in September/October, but no shortages were reported. In Europe, caprolactam producers were unable to pass through higher feedstock costs in September, meaning margins have contracted further. In Taiwan, the import contract price was settled at \$1400-1450/ton cfr in September. Caprolactam prices increased in China, however, on the back of higher benzene prices.

Polyamide 66 Intermediates

Butachimie started its long-anticipated turnaround at Chalampe, France, in late September, and the work is expected to last at least two months. New adiponitrile production technology is being installed at the facility. EU adipic acid demand was weak in September and prices remained under pressure. China's adipic acid prices increased in early September on the back of stronger benzene prices, but weak demand helped drive prices lower late in the month. HMDA prices in China also decreased due to poor demand for polyamide 66 polymer.

Polyamide Polymer

Polyamide engineering resin market conditions in the US remained stable during September, but there was still no real push in the market at the end of the third quarter. PA 6 resin prices in Europe were steady in September despite another sharp increase in feedstock prices. In China, polyamide 6 prices moved up in H2 September in line with higher feedstock prices. However, PA 66 engineering resin prices maintained a steady decline into September with no changes in weak market fundamentals.

Polyamide Fibre

Chinese polyamide filament prices increased slightly during the past month, mainly because of the increased feedstock price. Polyamide 6 filament demand in Taiwan stayed weak in September. In the US, demand in the polyamide fibre market improved slightly compared to previous months, although the pick-up was mainly due to seasonal effects as inventories were very low during the summer months. Demand in Europe remained very weak in September, however, and no improvement is expected in the short-term.

价格追踪

美国价

		2019年6月 美分/加仑	2019年7月 美分/加仑	2019年8月 美分/加仑	2019年9月26日 美分/加仑	2019年9月26日 美元/吨
纯苯	合同	234.0	267.0	254.0	255.0	离岸价 763
	现货	308 - 310	252 - 254	252 - 256	247 - 249	离岸价 739 - 745
苯酚		美分/磅	美分/磅	美分/磅	美分/磅	美元/吨
	新散货合同	45.8 - 47.8	50.3 - 52.3	48.5 - 50.5	48.6 - 50.6	离岸价 1071 - 1116
	散货合同	54.9 - 65.0	59.4 - 69.5	57.8 - 67.5	57.9 - 67.6	完税后交货 1276 - 1490
	出口	39.0 - 39.5	34.9 - 35.4	34.0 - 35.3	35.4 - 39.0	离岸价 780 - 860
环己烷		美分/加仑	美分/加仑	美分/加仑	美分/加仑	美元/吨
	合同货挂牌	235	262	251	252	离岸价 852
	合同 交易	222 - 225	248 - 250	237 - 240	237 - 239	离岸价 801 - 808
己二酸		美分/磅	美分/磅	美分/磅	美分/磅	美元/吨
	合同	96 - 101	96 - 101	94 - 99	92 - 97	完税后交货 2028 - 2138
己内酰胺		美元/吨	美元/吨	美元/吨	美元/吨	美元/吨
	出口 (固体)	1380 - 1450	1360 - 1455	1360 - 1455	1330 - 1380	离岸价 1330 - 1380
尼龙6		美分/磅	美分/磅	美分/磅	美分/磅	美元/吨
	工程塑料树脂,原生,新客户	118.0 - 126.0	118.0 - 126.0	116.0 - 124.0	116.0 - 124.0	完税后交货 2557 - 2734
尼龙66	长丝					
	40旦 POY	285 - 295	285 - 295	285 - 295	285 - 295	完税后交货 6283 - 6504
	70/34 旦 POY	255 - 270	255 - 270	255 - 270	255 - 270	完税后交货 5622 - 5952
	工程塑料树脂,原生,新客户	180.0 - 189.0	178.0 - 187.0	176.0 - 185.0	175.0 - 180.0	完税后交货 3858 - 3968

当天美元兑换率 (2019年9月25日)

欧元: 0.913 英镑: 0.808 (1/1.23 日元: 107.7 新台币: 31.02 韩元: 1198.90 人民币: 7.12 卢比: 71.04

当天欧元兑换率 (2019年9月25日)

美元: 1.096 英镑: 0.885 (1/1.13 日元: 118.0

本报告所包含的信息皆来自可信的资料来源，

但是对任何声称跟据本报告内容所做的商业决策，英国泰可荣全球化学有限公司概不负责。

未经英国泰可荣全球化学有限公司书面许可，严禁以任何方式对本报告的任何内容加以抄袭。

聚焦化工行业 CHEMICAL BUSINESS FOCUS

A MONTHLY ROUNDUP AND ANALYSIS OF THE
KEY FACTORS SHAPING WORLD CHEMICAL MARKETS

CONTACT: WILLIAM BANN

Email: william.bann@orbichem.com

关于影响全球化工市场关键因素的分析与综述月报



- Polyamide resin demand remains soft in all regions during October
- Start-up of new PA 6 plants in China delayed due to weaker markets
- Taiwan caprolactam import prices increase slightly to \$1430-1480/ton
- However, China caprolactam prices decrease on soft demand, feedstock
- EU PA 66 market in wait-and-see mode regarding Butachimie turnaround
- Benzene price slump sets stage for large correction in November contracts

Caprolactam

There were no significant changes for the caprolactam market in the US during October as both major producers had limited production due to scheduled maintenance turnarounds. Low demand and weaker feedstock benzene prices dragged caprolactam prices down in Europe in October. Taiwan import contract prices settled at \$1430/ton and \$1480/ton, increases of \$30/ton compared to September. In China, contract and spot prices decreased during October as weak demand and lower benzene prices could support caprolactam values.

Polyamide 66 Intermediates

The US adipic acid market remained stable during October as producers continued adjusting output to match demand from downstream markets. Adipic acid prices in Europe reportedly rolled over during October, but lower raw material prices are expected in November. Adipic acid prices in Northeast Asia decreased \$70/ton during October, while China market prices also decreased following the National Day holiday break. Domestic prices in China decreased around Rmb300/ton during the month.

Polyamide Polymer

US polyamide engineering resin markets showed little or no improvement during October, and market participants are not looking for much change during November. In Europe, demand for both PA 6 and PA 66 resin remained weak and price decreased during October in both markets. In Taiwan, operating rates were falling to lower levels because of the high feedstock prices and sluggish demand. Prices for engineering plastics applications in China were Rmb12600-13200/ton, decreases of Rmb800-1100/ton from late September.

Polyamide Fibre

Filament prices decreased steadily after the National Holiday, mainly because of sluggish demand. Inventories reportedly remained at high levels. Polyamide 6 filament demand in Taiwan stayed weak in October. Demand is not good, not only in the domestic market, but also in the export market. In the US, the modest pick-up in the polyamide market continued into October in volume terms but downstream demand was lower than normal. Market conditions in Europe continued to be tough with no push from the market expected for the next months.

价格追踪

美国价

		2019年7月 美分/加仑	2019年8月 美分/加仑	2019年9月 美分/加仑	2019年10月30日 美分/加仑		2019年10月30日 美元/吨
纯苯	合同	267.0	254.0	255.0	260.0	离岸价	778
	现货	252 - 254	252 - 256	247 - 249	219 - 222	离岸价	655 - 664
苯酚		美分/磅	美分/磅	美分/磅	美分/磅		美元/吨
	新散货合同	50.3 - 52.3	48.5 - 50.5	48.6 - 50.6	49.3 - 51.3	离岸价	1087 - 1131
	散货合同	59.4 - 69.5	57.8 - 67.5	57.9 - 67.6	58.6 - 68.3	完税后交货	1292 - 1506
	出口	34.9 - 35.4	34.0 - 35.3	35.4 - 39.0	34.9 - 35.8	离岸价	769 - 789
环己烷		美分/加仑	美分/加仑	美分/加仑	美分/加仑		美元/吨
	合同货挂牌	262	251	252	256	离岸价	865
	合同 交易	248 - 250	237 - 240	237 - 239	237 - 239	离岸价	801 - 808
己二酸		美分/磅	美分/磅	美分/磅	美分/磅		美元/吨
	合同	96 - 101	94 - 99	92 - 97	92 - 97	完税后交货	2028 - 2138
己内酰胺		美元/吨	美元/吨	美元/吨	美元/吨		美元/吨
	出口 (固体)	1360 - 1455	1360 - 1455	1330 - 1380	1360 - 1410	离岸价	1360 - 1410
尼龙6		美分/磅	美分/磅	美分/磅	美分/磅		美元/吨
	工程塑料树脂,原生,新客户	118.0 - 126.0	116.0 - 124.0	116.0 - 124.0	116.0 - 124.0	完税后交货	2557 - 2734
尼龙66	长丝						
	40旦 POY	285 - 295	285 - 295	285 - 295	285 - 295	完税后交货	6283 - 6504
	70/34 旦 POY	255 - 270	255 - 270	255 - 270	255 - 270	完税后交货	5622 - 5952
	工程塑料树脂,原生,新客户	178.0 - 187.0	176.0 - 185.0	175.0 - 180.0	170.0 - 175.0	完税后交货	3748 - 3858

当天美元兑换率 (2019年10月29日)

欧元: 0.900 英镑: 0.775 (1/1.29) 日元: 108.8 新台币: 30.51 韩元: 1163.10 人民币: 7.06 卢比: 70.84

当天欧元兑换率 (2019年10月29日)

美元: 1.112 英镑: 0.862 (1/1.16) 日元: 121.0

本报告所包含的信息皆来自可信的资料来源，

但是对任何声称跟据本报告内容所做的商业决策，英国泰可荣全球化学有限公司概不负责。

未经英国泰可荣全球化学有限公司书面许可，严禁以任何方式对本报告的任何内容加以抄袭。

聚焦化工行业 CHEMICAL BUSINESS FOCUS

A MONTHLY ROUNDUP AND ANALYSIS OF THE
KEY FACTORS SHAPING WORLD CHEMICAL MARKETS

CONTACT: WILLIAM BANN

Email: william.bann@orbichem.com

关于影响全球化工市场关键因素的分析与综述月报



- European Commission approves Domo's purchase of Solvay's PA 66 business
- November Europe PA 6, capro prices fall sharply in line with benzene values
- Slow demand, weak benzene push down Chinese PA 6, caprolactam prices
- European fibre industry struggles continue in November with demand at low levels
- Tyrecord producers struggle as margins pushed close to break-even levels
- China cyclohexanone market bracing for further capacity increases in 2020

Caprolactam

The North American caprolactam market saw recent trends in the supply/demand balance and prices continue in November, leading to a long market and a price decrease. European caprolactam production continued to be significantly reduced in line with demand levels from polyamide 6 polymer producers, and prices slumped in line with benzene values. In Taiwan, import contract prices decreased \$80/ton in November. China's caprolactam market slumped sharply in November as producers struggled to cover production costs.

Polyamide 66 Intermediates

Adipic acid prices in China have been on a gradual decline since October, in line with downward spiralling benzene prices and weak demand. Haili's 150,000 tpa line at Yancheng reportedly will restart at the end of November. The Asian adipic acid market remained weak in November amid soft demand and lengthening supply. In Europe, adipic acid demand in November was described as "very weak" by market participants as the polyamide and polyurethane markets showed further signs of slowing down.

Polyamide Polymer

Polyamide market demand in North America was still under pressure in November as the participants started coming to terms with the total impact of the General Motors strike. The polyamide 6 and polyamide 66 engineering resin markets in Europe remained under pressure in November with little optimism noted by market participants. In China, prices for PA 6 engineering resins in November fell sharply by Rmb900-1200/ton compared to late October. However, the PA 66 market showed some signs of stability in November.

Polyamide Fibre

China's polyamide filament prices kept decreasing in November due to a combination of sluggish demand and decreased feedstock prices. India's textile industry is awaiting news on a proposed national logistics policy, which purportedly will help make Indian domestic textile products competitive in the international market. The US fibre market was still evaluating the impact of the General Motors strike on demand and prices. The European fibre industry remained in very poor condition with demand at low levels.

价格追踪

美国价

		2019年8月 美分/加仑	2019年9月 美分/加仑	2019年10月 美分/加仑	2019年11月28日 美分/加仑		2019年11月28日 美元/吨
纯苯	合同	254.0	255.0	260.0	223.0	离岸价	667
	现货	252 - 256	247 - 249	219 - 222	229 - 232	离岸价	685 - 694
苯酚		美分/磅	美分/磅	美分/磅	美分/磅		美元/吨
	新散货合同	48.5 - 50.5	48.6 - 50.6	49.3 - 51.3	44.2 - 46.2	离岸价	974 - 1019
	散货合同	57.8 - 67.5	57.9 - 67.6	58.6 - 68.3	53.5 - 63.3	完税后交货	1179 - 1396
环己烷		美分/加仑	美分/加仑	美分/加仑	美分/加仑		美元/吨
	出口	34.0 - 35.3	35.4 - 39.0	34.9 - 35.8	32.2 - 33.1	离岸价	710 - 730
	合同货挂牌	251	252	256	226	离岸价	764
己二酸	合同交易	237 - 240	237 - 239	243 - 246 ‡	211 - 214	离岸价	713 - 723
		美分/磅	美分/磅	美分/磅	美分/磅		美元/吨
己二酸	合同	94 - 99	92 - 97	92 - 97	89 - 94	完税后交货	1962 - 2072
己内酰胺		美元/吨	美元/吨	美元/吨	美元/吨		美元/吨
	出口 (固体)	1360 - 1455	1330 - 1380	1360 - 1410	1280 - 1330	离岸价	1280 - 1330
尼龙6		美分/磅	美分/磅	美分/磅	美分/磅		美元/吨
	工程塑料树脂,原生,新客户	116.0 - 124.0	116.0 - 124.0	116.0 - 124.0	106.0 - 114.0	完税后交货	2337 - 2513
尼龙66	长丝						
	40旦 POY	285 - 295	285 - 295	285 - 295	280 - 290	完税后交货	6173 - 6393
	70/34 旦 POY	255 - 270	255 - 270	255 - 270	250 - 265	完税后交货	5512 - 5842
	工程塑料树脂,原生,新客户	176.0 - 185.0	175.0 - 180.0	170.0 - 175.0	160.0 - 165.0	完税后交货	3527 - 3638

‡ = 校正

当天美元兑换率 (2019年11月27日)

欧元: 0.909 英镑: 0.777 (1/1.28) 日元: 109.4 新台币: 30.51 韩元: 1177.25 人民币: 7.03 卢比: 71.36

当天欧元兑换率 (2019年11月27日)

美元: 1.100 英镑: 0.854 (1/1.17) 日元: 120.3

本报告所包含的信息皆来自可信的资料来源，

但是对任何声称跟据本报告内容所做的商业决策，英国泰可荣全球化学有限公司概不负责。

未经英国泰可荣全球化学有限公司书面许可，严禁以任何方式对本报告的任何内容加以抄袭。

CHEMICAL BUSINESS FOCUS

A MONTHLY ROUNDUP AND ANALYSIS OF THE
KEY FACTORS SHAPING WORLD CHEMICAL MARKETS

CONTACT: WILLIAM BANN

Email: william.bann@orbichem.com

关于影响全球化工市场关键因素的分析与综述月报



- Taiwan caprolactam import contract prices down sharply in December
- However, China caprolactam prices tick higher as feedstock costs rise
- EU PA 6, caprolactam roll over in December despite higher benzene
- Cyclohexane markets in US, Europe seen as stable in late 2019
- Butachimie begins restart process on Chalampe, France adiponitrile unit
- Special Report: The nylon industry begins to take shape 80 years ago

Caprolactam

The US caprolactam market has remained relatively stable in the US after the November shake-up, when not only prices suffered a substantial correction, but also the market clearly lengthened. The month of December did not bring great improvements for the caprolactam market in Europe. In Taiwan, the import contract price for December settled at \$1215-1265/ton, a decrease of \$135/ton from November. On the other hand, Chinese caprolactam prices increased slightly in December on higher feedstock costs.

Polyamide 66 Intermediates

The major adiponitrile maintenance turnaround at Butachimie in Chalampe, France, has been finished, and the plant was in restart mode in late December. In the US, supplies of adipic acid and other polyamide 66 intermediates were ample in December as producers and consumers continued adjusting output the match existing demand levels. In China, following an extended loss in early December, adipic acid prices reversed course due to unexpected surges in feedstock benzene prices.

Polyamide Polymer

Polyamide engineering resin market demand in North America and Europe were seasonally soft ahead of the year-end holidays as market participants trimmed output and drew down inventories during December. Polyamide 6 prices in both regions were flat month-on-month despite higher benzene costs. In China, PA 6 resin prices were slightly higher due to increased feedstock cost. Polyamide 66 demand remained soft in all regions.

Polyamide Fibre

Polyamide 6 filament prices remained stable in December, with some support coming from higher feedstock prices. Polyamide 6 filament demand in Taiwan stayed weak in December. The US fibre market continued to suffer in December amid soft automobile demand and negative news from other downstream sectors. The European nylon industry remained in very poor condition with demand lower at double-digit rates in main markets.

价格追踪

美国价

		2019年9月 美分/加仑	2019年10月 美分/加仑	2019年11月 美分/加仑	2019年12月23日 美分/加仑	2019年12月23日 美元/吨
纯苯	合同	255.0	260.0	223.0	231.0	离岸价 691
	现货	247 - 249	219 - 222	229 - 232	246 - 249	离岸价 736 - 745
苯酚		美分/磅	美分/磅	美分/磅	美分/磅	美元/吨
	新散货合同	48.6 - 50.6	49.3 - 51.3	44.2 - 46.2	45.3 - 47.3	离岸价 999 - 1043
	散货合同	57.9 - 67.6	58.6 - 68.3	53.5 - 63.3	54.6 - 64.4	完税后交货 1204 - 1420
环己烷		美分/加仑	美分/加仑	美分/加仑	美分/加仑	美元/吨
	出口	35.4 - 39.0	34.9 - 35.8	32.2 - 33.1	30.8 - 32.7	离岸价 679 - 721
	合同货挂牌	252	256	226	232	离岸价 784
己二酸	合同交易	237 - 239	243 - 246	211 - 214	218 - 220	离岸价 737 - 744
		美分/磅	美分/磅	美分/磅	美分/磅	美元/吨
己内酰胺	合同	92 - 97	92 - 97	89 - 94	89 - 94	完税后交货 1962 - 2072
己内酰胺		美元/吨	美元/吨	美元/吨	美元/吨	美元/吨
	出口 (固体)	1330 - 1380	1360 - 1410	1280 - 1330	1145 - 1195	离岸价 1145 - 1195
尼龙6		美分/磅	美分/磅	美分/磅	美分/磅	美元/吨
	工程塑料树脂, 原生, 新客户	116.0 - 124.0	116.0 - 124.0	106.0 - 114.0	106.0 - 114.0	完税后交货 2337 - 2513
尼龙66	长丝					
	40旦 POY	285 - 295	285 - 295	280 - 290	280 - 290	完税后交货 6173 - 6393
	70/34 旦 POY	255 - 270	255 - 270	250 - 265	250 - 265	完税后交货 5512 - 5842
	工程塑料树脂, 原生, 新客户	175.0 - 180.0	170.0 - 175.0	160.0 - 165.0	150.0 - 155.0	完税后交货 3307 - 3417

当天美元兑换率 (2019年12月20日)

欧元: 0.902 英镑: 0.766 (1/1.30) 日元: 109.5 新台币: 30.17 韩元: 1160.65 人民币: 7.01 卢比: 71.12

当天欧元兑换率 (2019年12月20日)

美元: 1.109 英镑: 0.850 (1/1.17) 日元: 121.3

本报告所包含的信息皆来自可信的资料来源，

但是对任何声称跟据本报告内容所做的商业决策，英国泰可荣全球化学有限公司概不负责。

未经英国泰可荣全球化学有限公司书面许可，严禁以任何方式对本报告的任何内容加以抄袭。

附件 10：《PCI 尼龙中间体和纤维年报》（2019 年）

2019年6月
June 2019

全球聚酰胺供应与需求分析服务

Polyamide Global Supply Demand Analytics Service ("Yellowbook 2019")

2019年黄皮书



PA66 Production 聚酰胺66产量



PA66 Production (kt)

WORLD 全球

Fibres		2009-2029																					
		2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	
Textile Filament	Textile Capacity	257	264	268	249	254	247	223	209	223	208	207	215	216	220	228	228	230	233	236	240	241	
	Utilisation	69%	72%	71%	71%	74%	70%	63%	59%	61%	56%	54%	55%	55%	56%	58%	58%	59%	60%	61%	61%	62%	
	Industrial Filament	369	469	496	484	504	522	528	564	604	581	579	594	597	610	633	646	655	663	671	678	685	
	Utilisation	63%	78%	81%	75%	75%	75%	77%	79%	79%	80%	75%	71%	72%	71%	72%	73%	74%	75%	76%	77%	78%	
	Carpet Filament	268	240	191	175	183	164	152	150	148	139	138	122	123	122	123	123	125	125	125	125	126	
Plastics	Carpet Capacity	375	340	303	288	276	246	223	220	210	204	198	199	199	199	199	199	199	200	200	200	200	
	Utilisation	71%	76%	63%	61%	66%	67%	68%	66%	70%	68%	61%	62%	61%	61%	62%	62%	63%	63%	63%	63%	63%	
	Total Filament	894	993	955	908	941	933	903	923	975	928	908	932	935	952	983	997	1008	1020	1031	1043	1051	
	Total Filament Capacity	1432	1405	1382	1354	1315	1280	1309	1332	1367	1411	1432	1447	1463	1479	1483	1486	1487	1490	1492	1494	1494	
	Utilisation	62%	71%	69%	67%	71%	71%	71%	71%	73%	68%	64%	65%	65%	66%	66%	67%	68%	69%	70%	70%	70%	
Film	Single Fibre	102	85	69	69	62	62	62	62	64	63	63	65	65	65	66	66	66	67	67	68	69	
	Single Capacity	188	139	95	86	86	86	86	93	93	93	93	93	93	93	93	93	93	93	93	93	93	
	Utilisation	54%	61%	73%	80%	72%	72%	72%	67%	69%	68%	68%	70%	70%	70%	71%	71%	71%	72%	72%	73%	74%	
	Total	996	1078	1024	977	1003	995	965	985	1039	991	971	997	1000	1017	1049	1063	1074	1087	1098	1111	1120	
	Production	13	14	16	17	17	18	18	18	18	19	19	19	20	20	20	21	21	21	21	21	21	
Polymer 聚合物	Requirement	1848	2078	2001	1999	2065	2138	2132	2177	2271	2201	2206	2292	2345	2388	2496	2553	2604	2655	2697	2736	2766	
	Import	0.2%	693	869	945	921	970	993	987	1045	1098	1073	933	885	887	883	882	879	879	888	897	904	915
	Export	-0.2%	693	869	945	921	970	993	987	1045	1098	1073	933	885	887	883	882	879	879	888	897	904	915
	Production	2.3%	1848	2078	2001	1999	2065	2138	2132	2177	2271	2201	2206	2292	2345	2388	2496	2553	2604	2655	2697	2736	2766
	Capacity	0.9%	2659	2536	2614	2613	2650	2760	2775	2953	3018	3063	3147	3207	3247	3287	3347	3397	3447	3507	3557	3607	3657
66 Salt	Utilisation	69%	82%	77%	77%	78%	77%	77%	74%	75%	72%	70%	71%	72%	74%	77%	77%	78%	79%	79%	80%	80%	
	Requirement	2.3%	2161	2432	2341	2338	2414	2501	2495	2547	2656	2575	2580	2683	2743	2804	2921	2988	3048	3106	3166	3201	3236
	Import	0.2%	205	200	230	196	137	120	128	111	106	83	85	85	85	85	88	91	92	92	91	90	87
	Export	0.2%	205	200	230	196	137	120	128	111	106	83	85	85	85	85	88	91	92	92	91	90	87
	Capacity	2.3%	2160	2432	2340	2340	2415	2502	2494	2546	2656	2575	2581	2683	2745	2805	2921	2988	3047	3106	3164	3200	3234
HMD	Utilisation	0.8%	3522	3367	3467	3514	3691	3713	3713	3905	3877	3877	3927	3961	4010	4010	4070	4130	4130	4190	4190	4250	
	Requirement for PA66	2.3%	971	1094	1053	1051	1087	1125	1124	1146	1196	1160	1161	1208	1236	1263	1316	1345	1373	1398	1421	1456	
	Requirement for Other PA	2.7%	26	37	34	37	35	37	37	39	41	40	41	42	43	44	45	46	48	49	50	52	
	Requirement for Other Non-PA	3.2%	121	147	191	163	188	198	205	204	212	221	230	241	250	257	264	272	280	288	296	304	314
	Total Requirement	2.4%	1117	1277	1277	1250	1319	1357	1366	1387	1446	1423	1430	1490	1528	1563	1624	1663	1699	1734	1766	1795	1821
Adipic Acid	Import	0.8%	460	575	561	544	595	613	621	614	629	614	624	618	623	627	635	642	651	656	664	671	677
	Export	0.8%	461	575	561	544	594	613	621	614	629	614	624	618	623	627	635	642	651	656	664	671	677
	Production	2.4%	1118	1278	1278	1250	1318	1357	1367	1388	1446	1422	1430	1492	1528	1563	1625	1664	1699	1734	1768	1796	1820
	Capacity	1.9%	1594	1580	1630	1658	1663	1673	1683	1793	1908	1908	1954	2059	2059	2255	2255	2255	2255	2355	2355	2355	2355
	Utilisation	83%	78%	75%	75%	76%	81%	81%	77%	76%	75%	73%	72%	74%	69%	72%	74%	75%	76%	77%	77%	77%	77%
KA Oil	Requirement	2.4%	1063	1214	1214	1187	1252	1290	1289	1319	1374	1351	1359	1418	1451	1485	1543	1581	1614	1648	1680	1706	1730
	Import	-9.1%	229	264	288	229	276	275	272	312	371	351	372	440	464	487	487	441	441	443	444	444	444
	Export	-9.1%	229	264	288	229	276	275	272	312	371	351	372	440	464	487	487	441	441	443	444	444	444
	Production	2.4%	1063	1213	1214	1187	1251	1290	1289	1319	1374	1351	1359	1418	1451	1485	1543	1581	1614	1648	1680	1706	1730
	Capacity	4.4%	1285	1457	1570	1570	1570	1570	1570	1610	1612	1662	1712	1862	1932	2127	2527	2627	2627	2627	2627	2627	2627
Adipic Acid	Utilisation	83%	77%	76%	80%	82%	83%	83%	82%	85%	81%	79%	76%	75%	70%	61%	63%	61%	63%	64%	65%	66%	66%
	Requirement for HMD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Requirement for PA66	2.3%	1208	1359	1310	1310	1352	1402	1395	1429	1489	1441	1452	1507	1545	1574	1638	1679	1712	1746	1773	1798	1819
	Requirement for Other	1.7%	1016	1119	1238	1264	1389	1417	1432	1483	1512	1554	1590	1621	1651	1682	1708	1736	1765	1791	1819	1848	1876
	Total Requirement	2.0%	2225	2478	2547	2574	2741	2819	2827	2913	3001	2995	3042	3128	3196	3256	3346	3415	3477	3537	3592	3646	3695
Polymer 聚合物	Import	1.6%	623	783	802	820	841	859	831	867	934	920	855	859	864	875	885	901	922	944	965	978	999
	Export	1.6%	623	783	802	820	841	859	830	867	934	920	855	859	864	875	885	901	922	944	965	978	999
	Production	2.0%	2224	2479	2546	2574	2739	2821	2827	2913	3000	2993	3042	3129	3195	3257	3346	3415	3477	3537	3593	3646	3694
	Capacity	1.2%	2970	2969	3264	3864	4129	4070	4357	4197	4267	4512	4543	4887	4987	5097	5097	5097	5097	5097	5097	5097	5097
	Utilisation	75%	75%	83%	78%	67%	66%	69%	65%	69%	70%	66%	67%	64%	63%	64%	66%	67%	68%	69%	70%	72%	72%
KA Oil	Requirement for AA	2.0%	1624	1810	1859	1878	1999	2059	2064	2126	2191	2184	2221	2283	2332	2372	2442	2494	2538	2583	2623	2661	2697
	Import	0.3%	255	269	237	263	272	250	250	257	265	269	267	271	272	273	273	274	274	274	274	274	275
	Export	0.3%	255	269	237	263	272	250	250	257	265	269	267	271	272	273	273	274	274	274	274	274	275
	Production	2.0%	1624	1810	1859	1877	1999	2059	2065	2127	2190	2184	2220	2283	2332	2378	2441	2494	2537	2582	2622	2661	2697
	Capacity	0.8%	2448	2377	2587	3194	3490	3536	3832	3793	3816	4020	4021	4322	4372	4372	4372	4372	4372	4372	4372	4372	4372
Utilisation	66%	66%	76%	72%	59%	57%	58%	54%	56%	57%	54%	55%	53%	53%	54%	56%	57%	58%	59%	60%	61%	62%	



PA66 Production (kt)

THE AMERICAS 美洲

Fibres	CAGR 2019-2029	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
		75	105	98	67	68	73	66	56	46	59	62	65	68	69	70	70	70	70	70	70	70
Textile Filament	0.7%	75	105	98	67	68	73	66	56	46	59	62	65	68	69	70	70	70	70	70	70	70
Textile Capacity	0.0%	71%	70%	70%	66%	67%	78%	70%	58%	46%	58%	61%	64%	67%	68%	69%	69%	69%	69%	69%	69%	69%
Utilisation																						
Industrial Filament	1.8%	107	130	140	136	141	142	141	118	119	121	127	134	140	142	145	153	155	158	160	161	161
Industrial Capacity	0.9%	156	152	159	171	178	181	181	176	170	171	176	182	182	187	189	193	196	199	199	199	199
Utilisation		69%	86%	88%	80%	79%	78%	78%	67%	70%	71%	72%	74%	76%	76%	79%	79%	79%	80%	81%	81%	81%
Carpet Filament	0.0%	234	231	179	262	267	272	153	141	139	131	130	112	112	112	112	112	112	112	112	112	112
Carpet Capacity	0.0%	317	289	282	267	257	227	227	204	201	191	184	178	178	178	178	178	178	178	178	178	178
Utilisation		74%	80%	63%	61%	67%	67%	67%	69%	69%	72%	71%	63%	63%	63%	63%	63%	63%	63%	63%	63%	63%
Total Filament	1.0%	416	430	386	386	386	386	361	315	304	318	319	311	320	323	327	335	337	340	343	343	343
Total Capacity	0.5%	682	638	632	612	592	562	524	489	469	470	474	478	478	485	489	494	497	500	500	500	500
Utilisation		61%	67%	61%	60%	66%	68%	69%	64%	62%	68%	67%	65%	67%	66%	67%	68%	68%	68%	68%	69%	69%
Staple Fibre	0.4%	54	35	31	29	27	27	28	28	26	26	25	25	26	26	26	26	26	26	26	26	26
Staple Capacity	0.0%	86	56	39	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Utilisation		63%	63%	79%	97%	90%	90%	93%	93%	87%	87%	83%	83%	87%	87%	87%	87%	87%	87%	87%	87%	87%
Total	0.9%	470	465	417	395	413	389	343	330	344	344	336	346	349	353	361	363	366	368	369	369	369
Plastics																						
Requirement	1.8%	256	286	297	321	339	358	363	367	368	372	377	377	381	386	395	416	424	430	440	445	449
Import	0.2%	39	49	50	54	59	67	73	72	79	78	69	69	69	69	69	69	70	70	70	70	70
Export	-1.7%	59	88	57	70	77	103	108	109	106	110	103	98	88	88	88	88	88	88	88	87	87
Production of PA66 EP	1.3%	276	324	303	337	357	393	399	404	395	404	411	409	411	411	411	411	411	411	411	411	411
Production of PA6 EP	0.8%	219	240	252	271	289	306	310	311	316	317	316	324	328	334	329	329	329	329	329	329	329
Capacity	0.2%	839	867	898	918	949	992	1005	1019	1029	1042	1043	1044	1044	1044	1044	1044	1044	1044	1044	1044	1044
Utilisation		59%	65%	62%	66%	68%	70%	70%	70%	69%	69%	69%	70%	70%	71%	72%	73%	74%	74%	75%	75%	76%
Production	0.3%	9	10	11	12	12	12	12	12	12	12	12	13	13	13	13	13	13	13	13	13	13
Polymer																						
Requirement	1.1%	1070	1184	1138	1146	1215	1259	1176	1158	1119	1118	1069	1071	1090	1105	1122	1123	1134	1152	1168	1178	1193
Import	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Export	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production	1.1%	1067	1184	1138	1146	1215	1260	1176	1158	1119	1118	1069	1071	1090	1105	1122	1123	1134	1152	1168	1178	1193
Capacity	0.0%	1850	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690	1690
Utilisation		58%	70%	67%	68%	71%	72%	71%	71%	71%	71%	71%	71%	71%	71%	71%	71%	71%	71%	71%	71%	71%
HMD																						
Requirement for PA66	1.1%	480	533	512	515	547	566	530	521	504	504	481	483	491	497	505	505	511	518	525	530	536
Requirement for Other PA	2.0%	16	23	16	16	15	14	14	14	15	15	15	15	15	16	16	16	17	17	17	18	18
Requirement for Other Non-PA	2.4%	23	26	26	28	30	25	25	25	27	27	29	29	30	31	32	32	33	34	35	36	36
Total Requirement	1.2%	519	572	554	559	592	605	569	563	545	545	525	528	536	544	553	554	561	570	578	583	591
Import	1.0%	59	95	88	80	87	86	59	64	60	60	68	68	68	69	70	72	74	75	75	75	75
Export	0.6%	154	267	253	240	277	290	274	249	230	294	289	282	282	282	282	282	286	288	286	303	308
Production	1.0%	614	744	719	719	782	809	784	748	715	780	747	742	742	749	757	758	763	773	783	800	824
Capacity	1.8%	931	922	972	972	972	972	972	972	972	972	972	1008	1103	1103	1199	1199	1199	1199	1199	1199	1199
Utilisation		66%	81%	74%	74%	80%	83%	81%	77%	74%	74%	80%	74%	67%	68%	63%	63%	64%	65%	67%	68%	69%
ADN																						
Requirement	1.0%	584	707	683	683	743	769	745	711	679	741	710	705	711	719	720	725	734	744	760	770	783
Import	1.7%	42	40	56	26	31	26	22	22	30	30	27	29	29	30	31	31	32	32	32	32	32
Export	-20.6%	85	110	156	158	136	95	91	158	206	182	242	206	228	251	21	21	22	23	24	24	24
Production	-1.8%	627	777	815	848	838	838	814	846	855	893	925	882	910	940	940	940	940	940	940	940	940
Capacity	1.9%	720	892	1005	1005	1005	1005	1005	1005	1045	1045	1045	1135	1225	1270	1365	1365	1365	1365	1365	1365	1365
Utilisation		87%	87%	78%	81%	84%	84%	83%	81%	82%	82%	81%	72%	72%	69%	52%	52%	53%	54%	55%	56%	57%
Adipic Acid																						
Requirement for HMD	1.1%	598	663	637	647	680	705	658	649	627	626	599	600	611	619	628	629	635	645	654	660	668
Requirement for Other	1.1%	147	160	177	187	188	202	195	199	200	219	214	216	219	224	231	232	233	236	237	238	240
Total Requirement	1.1%	745	823	814	834	868	907	853	847	827	846	815	815	819	843	850	860	862	871	882	890	908
Import	5.7%	105	143	136	138	133	134	95	97	91	99	103	104	107	117	118	118	124	138	154	164	169
Export	-36.6%	126	164	215	255	266	254	225	131	167	130	95	95	81	61	31	16	1	1	1	1	1
Production	-1.0%	767	845	884	945	1003	1027	983	881	901	872	807	810	809	773	755	734	729	729	729	730	729
Capacity	0.0%	955	915	1095	1095	1095	1095	1095	1095	1095	915	915	915	915	915	915	915	915	915	915	915	915
Utilisation		80%	92%	82%	86%	92%	92%	90%	90%	98%	95%	88%	88%	88%	87%	84%	83%	80%	80%	80%	80%	80%
KA Oil																						
Requirement for AA	-1.0%	560	617	653	690	732	750	718	643	658	637	589	591	591	580	564	551	536	532	532	532	532
Import	-2.5%	2	2	4	7	7	7	7	8	8	9	9	9	9	9	9	9	9	9	9	9	9
Export	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production	-1.0%	559	615	651	686	725	743	711	636	650	627	580	582	582	571	557	544	528	525	525	526	525
Capacity	0.0%	750	685	779	825	825	825	825	825	825	685	685	685	685	685	685	685	685	685	685	685	685
Utilisation		75%	90%	84%	83%	88%	90%	86%	93%	95%	92%	85%	85%	85%	83%	81%	79%	77%	77%	77%	77%	77%



PA66 Production (kt)

NORTH AMERICA 北美洲

Fibres		53	46	42	45	46	40	38	34	34	32	34	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
--------	--	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----



PA66 Production (kt)

USA 美国

Fibres	CAGR 2019-2029	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
		30	30	30	26	29	30	28	25	23	23	22	24	26	26	26	26	26	26	26	26	26
Textile Filament	0.8%	40	38	37	38	37	35	35	34	35	35	35	35	35	35	35	35	35	35	35	35	35
Textile Capacity	0.0%	75%	79%	68%	78%	86%	86%	82%	71%	66%	66%	63%	69%	74%	74%	74%	74%	74%	74%	74%	74%	74%
Utilisation																						
Industrial Filament	2.1%	56	69	75	76	75	78	80	80	64	68	70	68	73	75	78	85	85	85	85	86	86
Industrial Capacity	1.1%	81	77	82	82	90	92	95	96	99	100	99	101	101	104	107	110	113	113	113	113	113
Utilisation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Carpet Filament	0.0%	185	172	146	136	136	146	143	135	134	138	130	112	112	112	112	112	112	112	112	112	112
Carpet Capacity	0.0%	219	191	192	197	197	197	197	194	191	191	184	178	178	178	178	178	178	178	178	178	178
Utilisation																						
Total Filament	0.8%	271	248	240	244	240	254	251	225	231	220	206	211	211	213	216	223	223	223	224	224	224
Total Capacity	0.4%	340	312	324	324	326	325	325	325	318	318	314	314	314	317	317	320	323	326	326	326	326
Utilisation	80%	89%	79%	74%	74%	78%	77%	69%	69%	71%	69%	66%	67%	67%	68%	70%	69%	68%	68%	69%	69%	69%
Staple Fibre	0.4%	53	34	30	28	27	27	27	27	25	25	24	24	25	25	25	25	25	25	25	25	25
Staple Capacity	0.0%	84	54	37	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
Utilisation																						
Total	0.8%	324	305	278	268	281	278	251	250	256	244	230	236	236	238	241	248	248	248	248	249	249
Plastics	Requirement	173	194	205	224	236	244	252	256	250	254	258	263	267	273	289	293	298	301	304	307	309
	Import	0.0%	20	21	21	24	29	27	27	30	30	30	23	23	23	23	23	23	23	23	23	23
Export	-1.8%	49	76	46	60	67	95	100	102	97	102	95	90	85	80	80	80	80	80	80	79	79
Production of PA66 EP	1.0%	202	249	230	260	274	312	325	330	317	326	330	330	330	329	330	346	350	358	361	363	365
Production of PA6 EP	0.4%	177	190	202	217	225	233	240	243	235	236	235	244	247	252	241	240	238	241	243	244	244
Capacity	0.0%	619	650	670	684	708	762	773	793	793	791	789	787	787	787	787	787	787	787	792	792	792
Utilisation																						
Film	Requirement	502	463	476	500	527	510	513	508	497	485	495	499	503	503	523	526	530	532	536	537	539
	Import	0.0%	21	18	22	20	19	20	34	30	30	20	20	20	20	20	20	20	20	20	20	20
Export	1.1%	259	296	332	343	360	366	366	354	315	323	276	265	272	279	271	266	267	279	288	295	306
Production	1.0%	741	759	741	786	823	868	856	852	790	741	740	740	762	791	762	772	777	791	804	812	825
Capacity	0.3%	1063	985	1025	1035	1035	1100	1100	1125	1095	1095	1140	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180
Utilisation																						
66 Salt	Requirement	867	888	920	963	1016	1002	973	924	924	867	866	879	892	906	906	903	909	925	941	950	965
	Import	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Export	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production	1.1%	864	888	920	963	1016	1002	973	924	924	867	866	879	892	906	906	903	909	925	941	950	965
Capacity	0.0%	1500	1340	1340	1340	1340	1340	1340	1340	1340	1340	1160	1160	1160	1160	1160	1160	1160	1160	1160	1160	1160
Utilisation																						
HMD	Requirement for PA66	389	400	390	414	433	457	451	438	416	416	390	390	396	401	408	406	409	416	423	428	434
	Requirement for Other PA	14	14	14	14	14	14	14	14	15	15	15	15	15	16	16	16	17	17	17	18	18
Requirement for Other Non-PA	2.0%	19	21	22	24	26	21	22	22	23	23	24	24	25	25	26	26	27	27	28	28	29
Total Requirement	1.2%	422	435	426	452	473	492	487	475	453	454	429	429	436	443	460	449	453	461	469	474	482
Import	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Export	0.6%	151	267	251	240	276	290	274	249	230	294	289	282	282	282	275	280	286	288	296	303	308
Production	0.9%	570	702	677	692	749	782	761	724	683	748	719	712	718	725	725	730	739	749	766	777	790
Capacity	1.8%	855	880	930	930	930	930	930	930	930	930	966	1061	1061	1157	1157	1157	1157	1157	1157	1157	1157
Utilisation																						
ADN	Requirement	542	667	643	657	712	743	723	688	649	711	683	676	682	689	689	694	702	712	728	738	751
	Import	-	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Export	-20.6%	85	110	156	158	136	95	91	158	206	182	242	206	228	251	21	21	22	23	24	24	24
Production	-1.8%	627	777	815	848	838	814	838	846	895	893	925	882	910	940	940	940	940	940	940	940	940
Capacity	1.9%	720	892	1005	1005	1005	1005	1005	1005	1045	1045	1095	1135	1225	1270	1365	1365	1365	1365	1365	1365	1365
Utilisation																						
Adipic Acid	Requirement for HMD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Requirement for PA66	484	497	486	515	539	569	561	545	517	517	486	485	492	500	507	506	509	518	527	532	540
Requirement for Other	0.7%	112	125	133	139	143	155	150	150	162	162	164	166	170	175	175	175	175	175	175	175	175
Total Requirement	1.0%	596	622	619	654	682	724	711	695	669	679	650	651	662	675	682	681	684	693	702	707	715
Import	37.0%	26	9	8	8	4	2	2	2	4	10	3	4	5	15	15	15	19	30	45	55	60
Export	-	91	147	197	242	258	246	216	128	153	119	94	94	80	60	30	15	30	15	60	15	-
Production	-1.4%	661	760	807	888	936	968	926	820	818	788	741	741	737	720	697	677	654	648	647	647	645
Capacity	0.0%	785	820	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Utilisation																						
KA Oil	Requirement for AA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Import	483	555	589	648	683	707	676	599	597	575	541	541	538	526	509	494	477	473	472	472	471
Export	0.0%	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Production	-1.4%	482	554	588	647	682	706	675	598	596	574	540	540	537	525	508	493	476	472	471	471	470
Capacity	0.0%	620	620	714	760	760	760	760	760	620	620	620	620	620	620	620	620	620	620	620	620	620
Utilisation																						



PA66 Production (kt)		SOUTH AMERICA 南美洲																
		CAGR 2019-2029																
Fibres		2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
		2029	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Fibres	Textile Filament	22	23	23	25	23	27	26	18	12	25	30	31	32	33	34	34	34
	Textile Capacity	30	30	30	33	35	36	38	40	42	44	44	44	44	44	44	44	44
	Utilisation	73%	77%	76%	66%	66%	75%	68%	45%	29%	57%	68%	70%	73%	75%	77%	77%	77%
	Industrial Filament	19	25	26	26	22	22	21	13	12	11	12	13	14	14	14	14	14
	Industrial Capacity	37	37	37	37	39	39	30	30	21	21	21	21	21	21	21	21	21
	Utilisation	51%	68%	70%	59%	56%	56%	54%	43%	57%	52%	57%	62%	67%	67%	67%	67%	67%
	Carpet Filament	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Carpet Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Utilisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Filament	41	48	49	51	45	49	47	31	24	36	42	44	46	47	48	48	48
Plastics	Total Filament Capacity	67	70	72	70	75	77	77	70	63	65	65	65	65	65	65	65	65
	Utilisation	61%	72%	73%	63%	69%	64%	61%	44%	38%	55%	65%	68%	71%	72%	74%	74%	74%
	Staple Fibre	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Staple Capacity	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Utilisation	50%	50%	50%	50%	0%	0%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
	Total	42	49	46	46	49	48	48	32	25	37	43	45	47	48	49	49	49
	Requirement	40	44	45	45	46	48	44	40	37	41	41	41	42	44	46	48	50
	Import	8	12	13	13	11	9	12	11	13	11	11	11	11	11	11	11	12
	Export	3	5	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3
	Production of PA66 EP	35	37	36	37	41	38	31	29	32	33	33	33	34	36	38	40	41
Film	Production of PA6 EP	17	18	19	20	22	29	26	23	28	27	28	30	30	31	32	33	33
	Capacity	100	105	116	118	120	133	133	133	126	126	126	126	126	126	126	126	128
	Utilisation	52%	52%	48%	49%	53%	51%	43%	42%	48%	47%	49%	51%	52%	55%	57%	59%	60%
	Production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Requirement	72	82	75	82	78	82	78	56	48	62	69	71	74	77	79	81	82
	Import	11	20	22	23	13	13	12	10	18	19	19	19	23	23	23	24	24
	Export	31	53	58	31	33	26	5	17	10	15	5	5	5	5	5	5	5
	Capacity	92	115	118	83	102	92	92	51	45	60	60	54	96	59	61	62	63
	Utilisation	141	141	141	141	141	141	141	116	91	91	91	91	91	91	91	91	91
	Production	65%	82%	84%	59%	72%	65%	44%	49%	66%	66%	66%	62%	63%	67%	68%	69%	70%
66 Salt	Requirement	107	135	97	138	97	119	108	59	53	70	70	63	66	69	71	73	74
	Import	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Export	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Production	107	135	97	138	97	119	108	59	53	70	70	63	66	69	71	73	74
	Capacity	150	150	150	150	150	150	150	120	90	90	90	90	90	90	90	90	90
	Utilisation	71%	90%	65%	92%	65%	79%	72%	49%	59%	78%	78%	70%	73%	77%	79%	81%	82%
	Requirement for PA66	48	61	62	43	54	48	27	24	32	32	28	30	31	32	33	33	33
	Requirement for Other PA	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
	Requirement for Other Non-PA	50	63	64	45	55	48	27	24	32	32	28	30	31	32	33	33	33
	Total Requirement	16	21	24	18	23	21	4	4	4	4	4	4	4	4	4	4	4
HMD	Import	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Export	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Production	34	42	42	27	33	27	23	23	24	32	32	28	30	31	32	33	33
	Capacity	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
	Utilisation	81%	100%	100%	64%	79%	64%	55%	57%	76%	76%	67%	71%	74%	76%	79%	79%	81%
	Requirement	32	40	40	26	31	26	22	22	23	30	30	27	29	29	30	31	31
	Import	32	40	40	26	31	26	22	22	23	30	30	27	29	29	30	31	31
	Export	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ADN	Utilisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Requirement	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%
	Import	32	40	40	26	31	26	22	22	23	30	30	27	29	29	30	31	31
	Export	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Utilisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Requirement	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%
	Import	32	40	40	26	31	26	22	22	23	30	30	27	29	29	30	31	31
	Export	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Adipic Acid	Production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Utilisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Requirement	1.9%	1.9%	1.9%	1.9%	1.9%	1.9%	1.9%	1.9%	1.9%	1.9%	1.9%	1.9%	1.9%	1.9%	1.9%	1.9%	1.9%
	Import	60	75	54	67	60	60	33	33	39	39	35	35	37	39	40	41	41
	Export	25	28	34	33	32	32	32	32	38	37	39	40	41	42	43	44	46
	Production	85	104	105	88	100	92	66	66	67	77	75	75	78	81	83	85	87
	Capacity	26	36	37	44	42	41	16	9	6	6	10	10	10	10	10	10	10
	Utilisation	27	16	18	14	9	8	7	2	13	11	1	1	1	1	1	1	1
	Requirement	86	85	87	57	59	57	57	57	61	83	84	66	69	72	74	76	78
KA Oil	Capacity	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95
	Utilisation	91%	89%	92%	60%	71%	62%	60%	64%	87%	88%	69%	73%	76%	78%	80%	82%	84%
	Requirement	63	62	64	42	49	43	42	45	61	61	48	50	53	54	55	57	58
	Import	1	1	1	3	6	6	6	7	7	8	8	8	8	8	8	8	8
	Export	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Production	62	61	63	39	43	37	36	38	54	40	42	45	46	46	49	51	52
	Capacity	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
	Utilisation	95%	94%	97%	60%	66%	57%	55%	55%	83%	82%	62%	65%	69%	71%	75%	78%	80%
	Requirement	63	62	64	42	49	43	42	45	61	61	48	50	53	54	55	57	58
	Import	1	1	1	3	6	6	6	7	7	8	8	8	8	8	8	8	8



PA66 Production (kt)

GREATER EUROPE (大) 欧洲

Fibres	CAGR 2019-2029	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
		125	130	131	116	115	115	105	105	101	104	93	90	91	90	91	98	98	98	98	98	98
Textile Filament	0.9%	168	172	177	145	133	138	133	133	130	130	130	130	130	130	130	130	130	130	130	130	130
Utilisation	0.0%	74%	76%	74%	80%	86%	83%	79%	78%	78%	80%	72%	69%	70%	69%	70%	75%	75%	75%	75%	75%	75%
Industrial Filament	0.8%	88	107	114	106	108	105	111	111	114	122	113	110	113	112	115	119	119	120	120	120	120
Utilisation	0.1%	165	164	164	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165
Carpet Filament	-1.2%	30	24	24	8	7	7	7	7	7	6	5	5	5	4	4	4	4	4	4	4	4
Utilisation	0.0%	49	42	12	12	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Total Filament	0.8%	243	261	252	230	227	230	223	223	222	232	211	205	208	205	209	221	221	222	222	222	222
Utilisation	0.1%	362	378	353	321	308	314	291	288	288	288	288	288	288	288	288	288	288	288	288	288	288
Staple Fibre	0.5%	39	37	26	27	21	20	19	17	19	19	19	18	19	19	19	19	19	19	19	19	19
Utilisation	0.0%	72	56	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
Total	0.8%	282	298	278	257	251	247	242	242	239	251	230	223	227	224	228	240	240	241	241	241	241
Plastics	1.6%	349	408	424	411	411	425	440	440	463	470	471	474	482	490	498	512	520	528	539	546	558
	0.3%	151	210	184	180	183	203	207	213	225	241	216	212	212	211	211	213	217	219	220	222	223
Export	0.8%	148	173	183	183	182	196	185	191	204	213	204	214	214	214	215	216	220	220	221	224	225
Production of PA66 EP	1.8%	346	367	421	412	408	420	418	432	448	445	464	484	484	492	502	515	521	533	541	545	551
Capacity	0.7%	478	548	582	566	597	607	642	643	689	703	696	701	709	710	706	716	721	732	740	741	746
Utilisation	0.3%	1483	1509	1545	1546	1578	1722	1729	1763	1823	1823	1823	1847	1855	1860	1865	1870	1870	1869	1879	1884	1884
Film	2.0%	4	4	5	5	5	6	6	6	6	6	6	7	7	7	7	7	7	7	8	8	8
	1.6%	586	620	619	588	578	585	578	584	613	577	588	612	619	619	632	655	659	668	674	678	684
Requirement	0.3%	309	397	480	428	448	434	428	459	512	503	412	378	378	378	388	381	381	384	386	389	392
Export	-1.4%	370	430	454	421	431	428	452	483	541	516	454	417	417	412	406	398	400	399	396	396	396
Production	1.0%	647	653	693	572	561	579	592	618	642	630	630	650	650	665	660	673	678	686	686	686	691
Capacity	0.0%	890	797	757	757	757	757	757	757	787	807	807	807	807	807	807	807	807	807	807	807	807
Utilisation	73%	82%	74%	74%	76%	74%	76%	76%	79%	80%	73%	76%	81%	81%	82%	83%	84%	85%	85%	85%	86%	86%
66 Salt	1.0%	757	764	694	670	665	677	693	724	751	690	737	762	765	771	788	793	800	803	806	809	811
	0.2%	187	196	200	196	127	105	105	106	106	83	85	85	85	85	85	88	91	92	92	91	90
Requirement	0.2%	205	200	230	195	137	120	128	111	106	83	85	85	85	85	88	91	92	92	91	90	87
Export	1.0%	774	768	703	679	666	692	716	728	751	690	737	762	762	771	787	794	800	803	805	809	811
Production	0.1%	1117	972	982	982	1102	1102	1112	1162	1190	1190	1190	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200
Utilisation	89%	79%	72%	68%	60%	63%	64%	63%	63%	63%	58%	62%	64%	64%	64%	66%	66%	67%	67%	67%	67%	68%
HMD	1.0%	347	346	316	305	300	312	323	328	339	312	331	343	345	348	355	358	361	362	363	365	365
	3.4%	8	16	19	18	15	15	21	21	22	22	23	23	24	25	26	26	26	27	28	29	30
Requirement for PA66	4.1%	58	69	76	75	76	78	81	87	92	90	94	97	102	106	110	115	120	125	130	135	141
Requirement for Other PA	1.9%	412	433	407	398	393	411	431	431	447	426	447	463	471	479	491	499	508	515	522	530	537
Total Requirement	1.5%	329	358	330	323	350	344	371	376	396	363	397	411	416	421	427	431	438	442	448	454	460
Import	0.4%	305	306	306	303	315	319	346	364	398	319	334	333	341	345	350	350	350	350	349	349	349
Production	1.0%	388	381	383	378	358	385	406	419	448	381	384	386	397	402	414	418	419	422	424	425	426
Capacity	0.2%	510	450	450	450	455	465	475	485	485	485	485	495	505	505	505	505	505	505	505	505	505
Utilisation	76%	85%	85%	84%	75%	75%	83%	85%	86%	92%	79%	78%	76%	76%	79%	80%	82%	83%	84%	84%	84%	84%
ADN	1.0%	369	362	364	359	340	367	386	386	426	362	365	367	377	382	393	397	397	398	401	403	405
	1.1%	117	132	102	96	114	125	117	117	112	105	99	100	101	104	105	110	110	110	111	112	112
Export	-0.8%	144	174	132	71	140	180	181	154	165	169	130	234	236	236	236	236	236	236	236	236	236
Production	0.4%	386	403	394	334	365	422	450	440	486	432	395	500	509	512	403	407	408	410	411	412	413
Capacity	1.5%	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520
Utilisation	76%	78%	76%	76%	64%	70%	81%	86%	86%	93%	83%	83%	83%	83%	83%	86%	86%	86%	86%	86%	86%	86%
Adipic Acid	1.0%	432	427	392	380	372	388	400	412	421	388	420	431	436	436	443	450	450	454	458	459	462
	1.7%	279	317	321	333	345	344	353	360	373	378	379	388	393	399	406	413	420	426	432	440	448
Requirement for PA66	1.3%	711	744	713	713	717	717	753	771	794	766	799	830	835	849	863	874	882	890	890	900	910
Total Requirement	0.8%	269	373	387	423	439	445	449	468	521	513	444	448	446	448	455	460	463	466	472	475	482
Import	-1.0%	352	403	386	418	381	374	352	361	334	334	321	321	321	321	316	316	321	321	306	296	291
Export	0.6%	792	774	711	708	658	660	666	666	607	588	676	692	704	708	711	718	732	737	725	721	719
Production	0.0%	1017	951	951	896	896	896	896	896	734	744	749	749	749	749	749	749	749	749	749	749	749
Capacity	0.0%	78%	81%	75%	74%	73%	86%	89%	91%	82%	79%	90%	92%	94%	95%	95%	96%	98%	98%	97%	96%	96%
KA Oil	0.6%	578	565	519	480	482	479	486	443	443	429	494	505	513	513	518	525	534	538	529	526	525
	0.1%	145	162	132	159	169	149	154	152	159	162	164	164	164	164	164	164	165	165	165	165	165
Export	-0.3%	134	178	110	133	125	128	113	138	139	144	146	153	154	153	153	147	140	142	142	141	142
Production	0.5%	567	581	497	490	436	461	438	472	423	411	476	494	503	503	500	508	509	515	506	502	502
Capacity	0.0%	826	734	734	734	734	709	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684
Utilisation	69%	79%	68%	67%	55%	65%	64%	65%	65%	62%	60%	70%	72%	74%	74%	73%	74%	74%	74%	75%	74%	73%



PA66 Production (kt)

WEST EUROPE 西欧

Fibres	CAGR 2019-2029	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
		83	116	92	82	66	62	62	51	47	47	43	42	41	40	39	42	42	42	42	42	42
Textile Filament	0.0%	113	73%	116	119	86	72	72	72	63	63	63	63	63	63	63	63	63	63	63	63	63
Utilisation	0.0%	73%	71%	71%	69%	77%	86%	86%	77%	75%	68%	67%	67%	65%	63%	62%	67%	67%	67%	67%	67%	67%
Industrial Filament	0.4%	41	52	56	53	54	54	49	51	52	58	58	56	59	59	58	59	57	57	58	58	58
Utilisation	0.3%	74	74	74	73	74	73	74	66	66	66	66	66	66	66	66	67	67	68	68	68	68
Industrial Capacity	0.3%	55%	70%	70%	77%	74%	74%	66%	77%	79%	88%	85%	85%	89%	88%	88%	84%	84%	85%	85%	85%	85%
Carpet Filament	-1.2%	30	24	24	12	8	7	7	7	7	6	5	5	5	4	4	4	4	4	4	4	4
Utilisation	0.0%	49	42	42	12	12	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Carpet Capacity	0.0%	61%	57%	58%	67%	70%	70%	70%	70%	70%	60%	45%	45%	45%	35%	35%	40%	40%	40%	40%	40%	40%
Total Filament	0.2%	154	168	145	127	123	123	118	109	108	111	105	102	105	103	101	105	103	103	104	104	104
Utilisation	0.1%	236	232	204	170	155	142	139	139	139	139	139	139	139	139	139	140	141	141	141	141	141
Industrial Capacity	0.1%	65%	66%	71%	75%	79%	79%	76%	76%	80%	76%	74%	74%	75%	74%	72%	73%	73%	74%	74%	74%	74%
Staple Fibre	0.5%	39	37	26	27	21	21	20	19	17	19	19	18	19	19	19	19	19	19	19	19	19
Utilisation	0.0%	72	56	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
Staple Capacity	0.0%	54%	66%	81%	84%	66%	66%	63%	59%	53%	59%	56%	56%	59%	59%	59%	59%	59%	59%	59%	59%	59%
Total	0.2%	193	195	171	154	144	144	138	128	123	130	124	120	124	122	120	124	122	122	123	123	123
Requirement	1.3%	282	330	341	329	329	334	339	352	360	372	371	374	378	384	389	404	410	416	420	424	426
Import	-0.3%	113	164	135	134	136	136	155	159	166	171	186	161	157	155	154	154	155	155	156	156	156
Export	0.8%	138	162	172	171	170	170	186	175	181	192	201	196	203	203	204	209	209	209	209	212	213
Production of PA66 EP	1.7%	306	327	376	364	361	370	370	368	377	394	386	408	425	432	439	450	455	465	470	473	478
Production of PA6 EP	0.6%	387	458	486	476	506	509	542	539	547	553	547	536	535	540	542	536	542	550	557	563	567
Capacity	0.2%	1255	1262	1292	1294	1319	1446	1446	1446	1463	1523	1523	1523	1535	1535	1540	1540	1540	1540	1549	1549	1549
Utilisation	55%	62%	67%	65%	65%	66%	66%	61%	63%	63%	62%	61%	62%	63%	63%	64%	65%	65%	66%	67%	67%	68%
Production	2.0%	4	4	5	5	5	5	6	6	6	6	6	7	7	7	7	7	7	7	8	8	8
Requirement	1.5%	462	481	475	447	434	436	436	424	425	447	426	440	460	467	471	485	486	493	498	501	506
Import	-1.2%	241	317	395	343	358	342	342	338	353	403	404	310	276	273	273	274	273	273	274	276	276
Export	-1.4%	355	412	436	383	411	412	412	435	475	516	483	443	406	401	395	387	389	385	385	385	385
Production	0.8%	576	576	516	487	487	506	506	521	547	560	515	573	590	595	583	598	602	608	610	612	615
Capacity	0.0%	783	705	712	665	665	665	665	665	665	665	665	665	665	665	665	665	665	665	665	665	665
Utilisation	74%	82%	82%	72%	75%	73%	76%	76%	76%	82%	84%	77%	86%	89%	89%	89%	91%	91%	92%	92%	92%	93%
Requirement	0.8%	673	674	604	582	569	592	592	610	640	655	603	670	690	696	693	700	705	712	714	717	720
Import	-0.7%	178	189	211	179	127	101	101	100	100	79	80	80	80	80	80	80	80	80	80	80	80
Export	0.2%	205	200	230	195	137	120	128	111	106	83	85	85	85	85	85	88	91	92	92	91	90
Production	0.9%	685	623	598	584	611	637	651	661	661	607	675	695	701	698	708	716	723	726	728	732	735
Capacity	0.1%	1016	871	881	891	1001	1011	1011	1011	1031	1031	1031	1031	1041	1041	1041	1041	1041	1041	1041	1041	1041
Utilisation	69%	79%	71%	67%	58%	58%	61%	61%	63%	64%	64%	59%	65%	67%	67%	67%	68%	69%	69%	70%	70%	71%
Requirement for PA66	0.9%	314	308	280	269	263	275	287	293	293	298	274	303	313	316	315	319	323	326	328	330	331
Requirement for Other PA	3.4%	8	16	16	19	18	19	21	21	21	22	24	22	23	24	25	26	26	27	28	29	30
Requirement for Other Non-PA	4.1%	58	69	76	75	76	81	87	87	87	90	94	97	102	102	106	110	115	120	125	130	135
Total Requirement	1.8%	379	395	371	362	356	374	395	396	406	388	420	433	442	446	446	455	464	473	481	487	496
Import	1.4%	296	321	294	286	313	307	335	341	358	369	381	387	387	388	391	396	403	408	413	419	426
Export	0.4%	305	306	306	303	315	319	346	364	394	398	319	334	333	341	345	350	350	350	349	349	349
Production	1.0%	388	381	383	378	358	386	406	419	448	448	381	384	386	397	402	414	418	419	422	424	425
Capacity	0.2%	510	450	450	450	455	465	465	475	485	485	485	495	505	505	505	505	505	505	505	505	505
Utilisation	76%	85%	85%	84%	76%	76%	83%	85%	86%	86%	92%	79%	78%	76%	79%	79%	82%	83%	84%	84%	84%	84%
Requirement	1.0%	369	362	364	359	340	367	366	386	398	426	362	365	367	377	382	393	397	398	401	403	404
Import	1.1%	117	132	102	96	114	125	117	117	117	105	99	100	101	104	105	110	110	110	111	112	112
Export	-0.8%	144	174	132	71	140	180	161	161	164	165	169	130	234	236	236	236	236	236	236	236	236
Production	0.4%	386	403	394	334	365	422	450	440	486	486	432	395	500	509	512	403	407	408	410	411	412
Capacity	1.5%	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520
Utilisation	78%	78%	76%	76%	64%	70%	81%	86%	86%	85%	93%	83%	75%	85%	83%	83%	86%	86%	86%	87%	87%	87%
Requirement for HMD	-	391	383	348	334	328	342	342	355	365	370	340	378	389	393	391	395	401	405	406	408	411
Requirement for PA66	0.8%	249	283	290	300	300	307	307	305	311	320	325	330	338	343	349	356	362	368	373	379	385
Requirement for Other	1.7%	640	666	638	634	637	661	661	661	676	689	665	708	726	736	740	752	763	774	779	787	803
Total Requirement	1.3%	199	292	312	344	357	362	362	366	371	416	411	411	352	352	353	355	361	362	368	368	374
Import	0.6%	346	348	328	340	380	373	351	360	360	333	334	320	320	320	320	315	315	320	320	305	295
Export	-1.0%	786	721	653	691	658	660	666	666	666	607	588	676	692	704	708	711	718	732	737	725	721
Production	0.6%	952	886	886	886	831	734	734	734	744	744	749	749	749	749	749	749	749	749	749	749	749
Capacity	0.0%	83%	81%	74%	78%	79%	90%	89%	91%	82%	79%	90%	90%	94%	95%	95%	96%	96%	98%	98%	97%	96%
Utilisation	-	574	526	477	504	480	482	479	486	443	429	494	505	513	513	514	518	525	534	538	529	525
Requirement for AA	0.6%	145	162	132	159	169	149	154	152	159	162	164	164	164	164	164	164	165	165	165	165	165
Import	0.1%	134	178	110	133	125	128	113	138	139	144	146	153	154	154	154	147	147	147	147	147	147
Export	-0.3%	563	542	455	478	436	461	438	472	423	411	476	494	503	503	503	508	509	515	515	506	502
Production	0.5%	767	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675
Capacity	0.0%	73%	80%	67%	71%	65%	68%	65%	65%	70%	63%	61%	71%	73%	75%	75%	74%	75%	75%	75%	75%	74%
Utilisation	-	73%	80%	67%	71%	65%	68%	65%	65%	70%	63%	61%	71%	73%	75%	75%	74%	75%	75%	75%	75%	74%



PA66 Production (kt)

FRANCE 法国

Fibres	CAGR 2019-2029	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
		15	15	13	13	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Textile Filament	-	24	24	24	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Utilisation	63%	63%	63%	54%	25%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Industrial Filament	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Utilisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carpet Filament	-	5	4	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Utilisation	83%	67%	50%	33%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Filament	-	20	19	16	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Utilisation	67%	63%	53%	27%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Staple Fibre	0.7%	18	21	19	21	16	16	15	13	15	15	15	14	15	15	15	15	15	15	15	15	15
Utilisation	0.0%	32	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
Capacity	56%	88%	79%	88%	88%	67%	67%	63%	54%	63%	63%	58%	63%	63%	63%	63%	63%	63%	63%	63%	63%	63%
Total	0.7%	38	40	35	25	16	16	16	15	15	15	15	14	15	15	15	15	15	15	15	15	15
Requirement	1.2%	41	43	44	42	39	40	42	42	44	45	46	46	43	44	45	48	50	50	51	51	52
Import	-2.6%	20	35	33	26	27	30	27	30	30	35	35	28	24	22	20	20	20	20	20	20	20
Export	0.3%	55	56	53	53	52	53	54	56	61	62	62	62	62	62	62	62	62	62	62	62	62
Production of PA66 EP	1.6%	76	64	64	69	65	66	66	70	75	72	82	81	84	87	90	92	92	93	93	94	96
Capacity of PA6 EP	-1.4%	9	13	13	13	12	12	15	16	16	16	15	14	13	14	14	12	13	13	13	13	13
Utilisation	-0.1%	99	104	113	113	113	113	148	148	148	148	148	148	148	148	148	148	148	148	147	147	147
Requirement	86%	86%	74%	68%	73%	68%	68%	55%	55%	62%	60%	66%	66%	64%	66%	68%	69%	71%	72%	72%	73%	74%
Production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Requirement	1.6%	103	95	86	79	67	68	67	67	68	74	70	77	78	81	83	86	87	87	88	88	89
Import	0.0%	53	68	70	57	58	25	25	25	25	29	25	25	25	25	25	25	25	25	25	25	25
Export	0.0%	39	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
Production	1.1%	89	89	71	77	62	98	107	108	119	108	117	118	121	123	126	127	127	128	128	129	130
Capacity	0.0%	181	181	181	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131
Utilisation	49%	49%	49%	39%	59%	47%	75%	82%	82%	91%	82%	89%	92%	92%	94%	96%	97%	97%	98%	98%	98%	99%
Requirement	1.1%	104	104	83	90	72	115	125	125	126	139	126	137	138	142	144	147	149	149	150	150	152
Import	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Export	0.3%	180	175	140	137	114	114	122	105	100	80	65	65	65	65	68	68	71	72	72	71	70
Production	0.8%	284	279	223	227	186	229	247	231	239	206	202	203	207	209	215	220	220	222	221	221	219
Capacity	0.0%	371	371	371	371	371	371	371	371	371	371	371	371	371	371	371	371	371	371	371	371	371
Utilisation	77%	75%	60%	61%	81%	50%	62%	67%	62%	64%	56%	54%	55%	56%	56%	58%	59%	59%	60%	60%	60%	59%
Requirement for PA66	0.8%	128	126	100	102	84	103	111	104	108	93	91	91	91	93	94	97	99	99	100	99	99
Requirement for Other PA	0.0%	16	17	20	20	19	20	20	20	21	22	23	24	25	26	27	28	29	31	32	33	34
Requirement for Other Non-PA	4.1%	16	17	20	20	19	20	20	20	21	22	23	24	25	26	27	28	29	31	32	33	34
Total Requirement	1.6%	144	143	120	122	103	123	132	126	130	116	116	116	117	120	122	126	129	130	132	133	135
Import	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Export	0.5%	123	119	158	157	136	134	153	177	210	164	166	166	165	169	171	175	175	175	175	175	175
Production	1.0%	267	282	278	279	239	257	285	303	340	280	281	282	282	289	293	300	304	305	307	308	310
Capacity	0.3%	295	295	295	295	295	300	310	320	330	340	340	350	360	360	360	360	360	360	360	360	360
Utilisation	91%	89%	89%	94%	95%	80%	83%	89%	92%	100%	82%	80%	80%	78%	80%	81%	83%	84%	85%	85%	86%	86%
Requirement	1.0%	254	249	264	265	227	244	271	288	323	266	267	267	268	275	278	285	289	290	292	293	294
Import	0.0%	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Export	-0.8%	144	166	132	71	140	180	181	154	165	169	130	234	236	236	236	236	236	236	236	236	236
Production	0.4%	386	403	394	334	365	422	450	440	486	433	395	500	509	512	403	403	407	408	410	411	413
Capacity	1.5%	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520
Utilisation	76%	76%	76%	76%	64%	70%	81%	86%	85%	93%	83%	75%	85%	83%	83%	83%	86%	86%	86%	86%	86%	86%
Requirement for HMD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Requirement for Other	0.8%	159	156	125	127	104	128	138	129	134	115	113	113	114	116	117	120	123	123	124	124	123
Requirement for Other PA	1.7%	8	9	9	15	13	10	10	10	10	11	11	11	12	12	12	12	12	12	12	13	13
Total Requirement	0.9%	167	165	134	142	117	138	148	139	145	126	126	126	126	126	126	126	126	126	126	126	126
Import	0.0%	15	30	36	30	22	15	14	17	31	34	15	15	15	15	15	15	15	15	15	15	15
Export	1.0%	110	60	58	94	130	101	96	100	99	98	100	100	100	100	100	100	100	100	100	100	100
Production	1.0%	263	195	155	207	226	224	230	222	213	190	209	211	213	214	217	220	230	232	232	232	231
Capacity	0.0%	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320	320
Utilisation	82%	61%	48%	48%	65%	71%	93%	96%	93%	89%	79%	87%	88%	89%	89%	90%	92%	96%	97%	97%	97%	96%
Requirement for AA	1.0%	192	142	113	151	165	164	168	162	155	139	153	153	154	155	156	158	161	168	169	169	169
Import	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Export	-4.0%	37	78	17	29	19	28	20	30	34	39	45	40	40	40	40	40	40	40	40	40	40
Production	0.1%	229	220	130	180	184	192	188	192	189	178	180	204	196	192	196	192	196	199	202	200	199
Capacity	0.0%	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265
Utilisation	86%	83%	49%	68%	68%	66%	72%	71%	72%	71%	67%	75%	75%	77%	77%	74%	72%	74%	75%	75%	76%	75%



PA66 Production (kt)		ITALY 意大利																					
Fibres	CAGR 2019-2029	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	
Textile Filament	-0.3%	24	25	27	29	32	31	33	32	32	34	32	31	30	29	28	30	30	30	30	30	30	
Textile Capacity	0.0%	25	27	29	32	32	35	38	40	40	40	40	40	40	40	40	40	40	40	40	40	40	
Utilisation		96%	93%	93%	94%	89%	87%	80%	80%	85%	80%	78%	75%	73%	70%	70%	75%	75%	75%	75%	75%	75%	
Industrial Filament	3.4%	1	1	2	2	3	2	3	4	4	5	5	5	5	5	5	6	6	6	7	7	7	
Industrial Capacity	2.9%	4	4	4	5	6	6	6	6	6	6	6	6	6	6	6	7	7	8	8	8	8	
Utilisation		25%	25%	50%	40%	50%	33%	33%	50%	67%	83%	83%	83%	83%	83%	83%	86%	75%	88%	88%	88%	88%	
Carpet Filament	-4.0%	2	2	3	5	5	5	5	5	5	4	3	3	3	2	2	2	2	2	2	2	2	
Carpet Capacity	0.0%	3	3	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
Utilisation		67%	67%	75%	83%	83%	83%	83%	83%	67%	67%	50%	50%	50%	33%	33%	33%	33%	33%	33%	33%	33%	
Total Filament	0.0%	27	28	32	37	39	40	40	41	43	40	39	38	38	36	35	38	38	38	39	39	39	
Total Capacity	0.4%	32	34	37	43	47	50	52	52	52	52	52	52	52	52	53	54	54	54	54	54	54	
Utilisation	84%	82%	86%	86%	86%	83%	83%	80%	77%	79%	83%	77%	75%	73%	69%	72%	70%	70%	72%	72%	72%	72%	
Staple Fibre	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Staple Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Utilisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total	0.0%	27	28	32	37	39	40	40	41	41	43	40	39	38	36	35	38	38	38	39	39	39	
Requirement	1.5%	32	32	32	30	29	29	32	32	34	34	34	33	35	36	37	38	40	40	39	39	39	
Import	0.0%	12	13	13	13	13	10	11	14	14	14	17	15	15	15	15	15	15	15	15	15	15	
Export	0.7%	18	16	16	16	16	16	20	18	17	20	15	14	14	14	14	14	14	14	14	14	14	
Production of PA66 EP	1.4%	38	35	33	32	32	37	41	38	37	37	37	33	34	35	36	37	39	38	38	38	38	
Production of PA6 EP	-1.4%	66	103	100	99	113	119	126	122	123	123	123	107	99	96	92	91	93	92	93	92	93	
Capacity	-1.4%	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	
Utilisation	0.0%	233	203	205	208	211	224	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	
Consumption	0.0%	45%	68%	66%	63%	69%	69%	70%	75%	72%	72%	72%	63%	60%	59%	58%	58%	59%	59%	59%	59%	59%	
Production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Requirement	0.6%	60	58	60	63	65	70	73	71	73	69	65	65	64	64	64	68	69	69	69	69	69	
Import	0.0%	15	16	14	14	14	14	18	19	24	24	27	25	25	25	25	25	25	25	25	25	25	
Export	0.0%	18	31	32	23	24	21	20	23	25	26	20	20	20	20	20	20	20	20	20	20	20	
Production	0.6%	63	73	78	72	75	73	74	70	74	68	60	60	60	59	59	63	64	64	64	64	64	
Capacity	0.0%	110	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	
Utilisation	57%	57%	81%	87%	80%	83%	81%	82%	78%	82%	76%	67%	67%	67%	66%	66%	70%	71%	71%	71%	71%	71%	
66 Salt	0.7%	74	85	91	84	88	85	87	82	87	80	70	70	69	69	69	74	75	75	75	75	75	
Import	-	1	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Export	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Production	0.7%	74	84	90	83	87	84	86	82	87	80	70	70	69	69	69	74	75	75	75	75	75	
Capacity	0.0%	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Utilisation	74%	84%	90%	83%	83%	87%	84%	86%	82%	87%	80%	70%	70%	69%	69%	74%	75%	75%	75%	75%	75%	75%	
Requirement for PA66	0.7%	33	38	41	37	39	38	39	37	39	36	32	32	31	31	31	33	34	34	34	34	34	
Requirement for Other PA	4.0%	-	2	2	4	3	4	4	4	4	4	4	4	5	5	5	5	5	6	6	6	6	
Requirement for Other Non-PA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total Requirement	-	33	40	43	41	42	42	43	41	43	40	36	36	36	36	36	39	39	40	40	40	40	
Import	0.0%	2	1	2	3	3	3	1	4	4	2	2	2	2	2	2	2	2	2	2	2	2	
Export	0.0%	5	6	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	2	2	2	2	
Production	1.1%	36	44	44	41	41	41	41	44	40	42	41	36	36	36	36	39	39	40	40	40	40	
Capacity	0.0%	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	
Utilisation	80%	98%	98%	91%	91%	91%	91%	98%	89%	93%	91%	80%	80%	80%	80%	80%	87%	87%	89%	89%	89%	89%	
ADN	1.1%	34	42	42	39	39	39	42	38	40	39	34	34	34	34	34	37	37	37	38	38	38	
Import	1.1%	34	41	42	39	39	39	42	38	40	39	34	34	34	34	34	37	37	37	38	38	38	
Export	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Utilisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Requirement for HMD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Requirement for PA66	0.7%	41	47	50	46	49	47	48	46	49	45	39	39	39	39	39	41	42	42	42	42	42	
Requirement for Other	2.0%	69	77	79	86	85	82	84	85	87	88	90	92	94	94	96	98	100	102	104	106	108	
Total Requirement	1.6%	110	124	129	132	134	129	132	131	136	133	129	131	133	135	135	139	142	144	146	148	150	
Import	1.2%	73	105	99	96	113	109	120	120	130	140	115	115	115	115	115	120	120	120	120	125	130	
Export	0.0%	25	59	49	46	63	65	65	65	65	60	60	60	60	60	60	60	60	60	60	60	60	
Production	1.0%	62	78	79	82	84	85	77	76	60	54	74	76	78	80	84	86	86	84	86	83	85	
Capacity	0.0%	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	
Utilisation	70%	89%	90%	93%	95%	95%	97%	88%	86%	68%	61%	84%	86%	89%	91%	95%	93%	95%	98%	94%	97%	93%	
KA Oil	1.1%	45	57	58	60	61	62	56	55	44	39	54	55	57	58	61	60	61	63	61	62	60	
Import	2.3%	-	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	
Export	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Production	1.0%	45	57	56	56	57	58	52	51	40	35	50	51	53	54	57	56	56	58	56	57	55	
Capacity	0.0%	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	
Utilisation	75%	95%	93%	93%	93%	95%	97%	87%	85%	67%	58%	83%	85%	88%	90%	95%	93%	93%	97%	93%	95%	92%	



PA66 Production (kt)		UNITED KINGDOM 英国																						
	CAGR 2019-2029	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		
Fibres	Textile Filament	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Textile Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Utilisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Industrial Filament	0.0%	10	17	19	19	17	19	19	19	19	19	18	19	19	19	19	19	18	18	18	18		
	Industrial Capacity	0.0%	18	18	19	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20		
	Utilisation	56%	94%	100%	95%	85%	95%	95%	95%	95%	95%	95%	90%	95%	95%	95%	95%	90%	90%	90%	90%	90%		
	Carpet Filament	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Polymer 聚合物	Carpet Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Utilisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Total Filament	0.0%	10	17	19	19	17	19	19	19	19	19	18	19	19	19	19	18	18	18	18	18		
	Total Capacity	0.0%	18	18	19	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20		
	Utilisation	56%	94%	100%	95%	85%	95%	95%	95%	95%	95%	95%	90%	95%	95%	95%	90%	90%	90%	90%	90%	90%		
	Staple Fibre	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Staple Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Plastics	Utilisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Total	0.0%	10	17	19	19	17	19	19	19	19	19	18	19	19	19	19	18	18	18	18	18		
	Requirement	1.1%	24	26	27	28	28	29	30	31	31	30	31	31	31	32	33	33	33	34	34	34		
	Import	0.0%	15	14	14	14	11	15	14	15	15	16	15	15	15	15	15	15	15	15	15	15		
	Export	1.0%	5	9	11	12	10	10	11	11	11	11	10	10	10	10	10	10	10	10	11	11		
	Production of PA66 EP	1.4%	14	21	24	26	27	24	26	27	27	25	26	26	26	27	28	28	28	28	29	30		
	Production of PA6 EP	1.8%	7	13	16	17	25	13	15	16	16	18	17	15	16	16	17	17	17	17	18	18		
Film	Capacity	1.9%	47	47	47	47	57	52	56	48	48	48	48	48	48	53	53	53	53	58	58	58		
	Utilisation	45%	72%	85%	91%	91%	71%	73%	90%	94%	88%	85%	88%	88%	83%	85%	85%	85%	85%	81%	83%	83%		
	Production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Requirement	1.0%	22	35	38	40	38	38	40	40	40	38	38	38	39	40	40	40	40	41	42	42		
	Import	1.0%	10	35	38	40	38	38	40	40	40	38	38	39	40	40	41	40	40	41	42	42		
	Export	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Production	-	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
66 Salt	Capacity	-	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Utilisation	74%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Requirement	-	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Import	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Export	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Production	-	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Capacity	-	155	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
HMD	Utilisation	-	28%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Requirement for PA66	-	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Requirement for Other PA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Requirement for Other Non-PA	4.0%	3	2	2	2	3	3	3	3	3	3	3	4	4	4	4	4	4	4	5	5		
	Total Requirement	4.0%	22	2	2	2	3	3	3	3	3	3	3	4	4	4	4	4	4	4	5	5		
	Import	0.0%	2	-	1	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	Export	1.0%	65	73	60	57	76	85	75	73	64	58	65	65	69	70	72	72	72	72	72	72		
ADN	Production	1.3%	85	75	61	88	78	88	77	76	66	60	67	68	72	73	75	75	75	76	76	76		
	Capacity	0.0%	170	110	110	110	110	110	110	100	100	100	100	100	100	100	100	100	100	100	100	100		
	Utilisation	50%	68%	55%	53%	71%	80%	70%	69%	66%	60%	67%	68%	72%	73%	75%	75%	75%	75%	76%	76%	76%		
	Requirement	1.2%	81	71	58	95	74	84	73	72	63	57	64	65	68	69	71	71	71	71	72	72		
	Import	1.2%	81	71	58	95	74	84	73	72	63	58	64	65	68	69	71	71	71	71	72	72		
	Export	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Adipic Acid	Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Utilisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Requirement for HMD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Requirement for PA66	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Requirement for Other	0.0%	5	12	9	7	7	7	8	9	9	8	9	9	9	9	9	9	9	9	9	9		
	Total Requirement	0.0%	29	12	9	7	7	7	8	9	9	8	9	9	9	9	9	9	9	9	9	9		
	Import	0.0%	14	12	13	9	8	8	8	10	10	9	9	9	9	9	9	9	9	9	9	9		
KA Oil	Export	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Production	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Capacity	-	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Utilisation	-	21%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Requirement for AA	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Import	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Export	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Polymer 聚合物	Production	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Capacity	-	92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Utilisation	-	12%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

EAST EUROPE 东欧

80



PA66 Production (kt)		AFRICAMIDDLE EAST 非洲／中东																				
Fibres	CAGR 2019-2029	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Textile Filament	2.2%	27	29	32	28	29	29	32	30	30	31	27	25	25	27	31	31	31	31	31	31	31
Textile Capacity	0.0%	32	32	32	34	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
Utilisation		84%	91%	88%	85%	91%	85%	89%	83%	83%	86%	75%	69%	69%	75%	86%	86%	86%	86%	86%	86%	86%
Industrial Filament	9.6%	10	7	7	7	5	5	3	4	5	6	4	4	4	4	4	7	9	10	10	10	10
Industrial Capacity	0.0%	17	15	15	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
Utilisation		59%	47%	47%	44%	31%	19%	19%	25%	31%	38%	25%	25%	25%	25%	44%	56%	63%	63%	63%	63%	63%
Carpet Filament	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carpet Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Utilisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Filament	3.5%	37	36	35	35	36	34	35	34	35	37	31	29	29	31	38	40	41	41	41	41	41
Total Capacity	0.0%	49	47	47	48	50	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
Utilisation		76%	77%	74%	75%	68%	67%	65%	67%	67%	71%	60%	56%	56%	60%	73%	77%	79%	79%	79%	79%	79%
Staple Fibre	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Staple Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Utilisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	3.5%	37	36	35	35	36	34	35	34	35	37	31	29	29	31	38	40	41	41	41	41	41
Plastics																						
Requirement	4.3%	16	17	18	15	14	16	16	16	17	19	18	18	18	19	20	22	23	24	25	26	27
Import	4.2%	11	14	13	11	10	11	11	11	12	14	13	12	11	12	13	14	14	15	16	17	17
Export	1.1%	10	11	11	11	11	8	8	8	8	9	9	9	9	9	9	9	9	9	10	10	10
Production of PA66 EP	2.4%	14	13	16	16	15	13	12	13	13	13	14	15	16	16	17	17	17	17	18	19	19
Production of PA6 EP	-3.2%	5	6	7	6	6	6	6	6	7	35	54	55	54	50	47	49	44	43	43	40	39
Capacity	0.9%	37	55	55	55	55	55	55	55	55	55	55	55	60	60	60	60	60	60	60	60	60
Utilisation		51%	35%	42%	40%	38%	35%	35%	33%	36%	87%	124%	118%	117%	112%	107%	110%	102%	102%	103%	98%	97%
Film																						
Production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polymer 聚合物																						
Requirement	3.3%	49	48	48	48	49	46	46	44	46	48	42	41	42	42	45	52	54	55	56	57	57
Import	1.3%	11	9	9	9	11	10	8	9	9	10	9	7	7	7	8	8	8	8	8	8	8
Export	0.0%	12	13	13	13	13	13	9	10	12	18	16	5	5	5	5	5	5	5	5	5	5
Production	3.3%	50	52	51	51	49	47	45	45	49	56	49	39	40	40	42	49	51	52	53	54	54
Capacity	0.0%	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
Utilisation		76%	79%	79%	77%	74%	71%	71%	68%	51%	48%	42%	34%	34%	34%	36%	42%	44%	45%	46%	47%	47%
66 Salt																						
Requirement	3.3%	59	61	61	60	57	55	53	57	57	66	57	46	47	47	49	57	60	61	62	63	63
Import	9.6%	9	7	9	7	5	4	4	4	6	6	4	5	5	5	5	8	11	12	12	12	12
Export	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production	2.2%	49	54	51	53	53	51	49	51	51	60	53	41	42	42	44	49	49	49	50	51	51
Capacity	0.0%	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
Utilisation		74%	82%	77%	80%	80%	80%	77%	74%	48%	48%	43%	33%	34%	34%	35%	40%	40%	40%	41%	41%	41%
HMD																						
Requirement for PA66	2.2%	22	24	23	24	24	24	23	22	23	27	24	18	19	19	20	22	22	22	23	23	23
Requirement for Other PA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Requirement for Other Non-PA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Requirement	2.2%	22	24	23	24	24	23	22	23	27	27	24	18	19	19	20	22	22	22	23	23	23
Import	2.2%	22	24	23	24	24	23	22	23	27	27	24	18	19	19	20	22	22	22	23	23	23
Export	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Utilisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Adipic Acid																						
Requirement for HMD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Requirement for PA66	2.2%	27	30	30	30	30	29	27	29	29	34	30	23	24	24	25	27	27	27	28	29	29
Requirement for Other	2.9%	10	11	8	5	3	2	3	2	3	3	2	3	3	3	3	3	3	4	4	4	4
Total Requirement	2.3%	37	41	37	35	33	31	30	31	31	37	32	26	27	27	28	30	30	31	32	33	33
Import	2.3%	37	41	36	34	32	31	30	31	31	36	32	26	27	27	28	30	30	31	32	33	33
Export	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Utilisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KA Oil																						
Requirement for AA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Import	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Export	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Utilisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CHINA 中国

82



PA66 Production (kt)

GREATER ASIA (ex-CHINA) 亚太地区 (不包括中国)

Fibres	CAGR 2019-2029	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
		37	41	42	34	41	41	39	39	40	38	39	63	44	45	45	45	45	45	45	45	45
Textile Filament	1.4%	37	41	42	34	41	41	39	39	40	38	39	63	44	45	45	45	45	45	45	45	45
Textile Capacity	1.5%	55	54	54	54	56	56	58	58	58	58	66%	67%	67%	67%	67%	67%	67%	67%	67%	67%	67%
Utilisation		67%	78%	63%	73%	73%	71%	67%	67%	69%	66%	62%	63%	60%	62%	62%	62%	62%	62%	62%	62%	62%
Industrial Filament	1.2%	84	96	102	112	117	127	134	141	146	141	145	152	154	156	156	157	157	158	160	162	164
Industrial Capacity	0.8%	127	136	140	150	152	161	169	172	173	175	185	186	186	186	186	186	186	187	189	191	193
Utilisation		66%	71%	73%	75%	77%	79%	79%	82%	84%	81%	82%	83%	84%	84%	84%	84%	84%	84%	85%	85%	85%
Carpet Filament	11.6%	2	2	2	2	2	2	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3
Carpet Capacity	0.0%	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Utilisation		40%	40%	40%	40%	20%	20%	20%	20%	20%	20%	20%	20%	40%	40%	40%	40%	40%	60%	60%	60%	60%
Total Filament	1.4%	123	139	146	148	159	169	174	181	187	180	185	197	200	203	203	204	204	206	208	210	212
Total Capacity	0.9%	187	195	199	209	213	224	232	235	236	238	247	258	264	264	264	264	264	265	267	269	271
Utilisation		66%	71%	73%	71%	75%	75%	75%	77%	79%	76%	75%	76%	76%	77%	77%	77%	77%	78%	78%	78%	78%
Staple Fibre		1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Staple Capacity		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Utilisation	0.0%	50%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Total	1.4%	124	140	146	148	159	169	174	181	187	180	185	197	200	203	203	204	204	206	208	210	212
Plastics																						
Requirement	2.2%	182	220	222	238	240	247	248	251	258	262	270	275	280	285	290	298	304	313	321	329	335
Import	1.3%	39	60	60	58	69	71	71	73	76	86	82	87	87	87	87	87	89	92	92	93	93
Export	-0.3%	94	143	144	125	143	134	136	135	145	155	131	130	129	127	127	127	127	127	127	127	127
Production of PA66 EP	1.5%	237	302	306	305	313	309	313	313	312	328	332	319	319	322	324	331	335	338	348	356	363
Production of PA6 EP	2.2%	258	281	289	310	315	330	311	327	325	339	339	345	354	364	371	380	395	408	408	418	421
Capacity	1.3%	744	777	824	825	843	843	843	863	863	873	891	901	911	921	926	936	946	978	983	988	1013
Utilisation		67%	75%	72%	75%	74%	76%	74%	74%	76%	77%	74%	74%	74%	75%	76%	76%	77%	77%	78%	79%	78%
Film																						
Production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Polymer																						
Requirement	1.6%	327	399	388	389	407	413	423	427	447	436	431	445	455	460	467	471	473	481	490	498	506
Import	2.3%	188	234	232	239	254	264	269	281	297	285	257	269	275	284	289	293	296	303	309	317	324
Export	0.0%	9	49	51	49	64	72	74	80	94	87	63	63	63	63	63	63	63	63	63	63	63
Production	0.3%	148	214	207	199	217	221	228	226	244	238	237	239	243	239	241	240	241	241	244	244	245
Capacity	0.0%	243	251	255	268	305	328	328	331	345	345	345	345	345	345	345	345	345	345	345	345	345
Utilisation		61%	85%	81%	74%	71%	67%	66%	68%	71%	69%	69%	69%	70%	69%	70%	70%	70%	70%	71%	71%	71%
66 Salt																						
Requirement	0.3%	173	251	242	232	253	258	267	264	285	278	280	284	279	282	282	282	282	281	282	285	286
Import	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Export	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production	0.2%	173	251	242	233	254	258	266	264	285	279	278	280	285	280	282	282	282	281	282	284	285
Capacity	0.0%	345	345	352	369	376	376	376	383	417	417	417	417	417	417	417	417	417	417	417	417	417
Utilisation		50%	73%	70%	66%	69%	69%	71%	69%	68%	67%	67%	67%	68%	67%	68%	68%	67%	68%	68%	68%	68%
HMD																						
Requirement for PA66	0.3%	78	113	109	104	114	116	120	119	128	125	126	126	128	126	127	127	127	127	128	128	129
Requirement for Other PA	0.0%	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Requirement for Other Non-PA	0.8%	19	20	32	38	40	46	42	43	43	47	48	48	49	49	49	50	50	51	51	51	52
Total Requirement	0.4%	99	135	143	144	156	164	164	164	173	174	175	176	179	177	178	179	179	180	181	181	183
Import	0.6%	59	102	107	105	118	136	129	130	140	145	134	137	138	136	138	139	139	139	141	141	142
Export	-	2	2	1	2	4	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-
Production	0.0%	42	35	39	40	40	32	37	35	35	30	41	40	41	41	41	41	41	41	41	41	41
Capacity	0.0%	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
Utilisation		98%	81%	91%	93%	93%	93%	86%	81%	81%	70%	95%	93%	95%	95%	95%	95%	95%	95%	95%	95%	95%
ADN																						
Requirement	0.0%	40	33	37	38	38	30	35	33	33	29	39	38	39	39	39	39	39	39	39	39	39
Import	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Export	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production	0.0%	40	33	37	38	38	30	35	33	33	29	39	38	39	39	39	39	39	39	39	39	39
Capacity	0.0%	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
Utilisation		89%	73%	82%	84%	84%	67%	78%	73%	73%	64%	87%	84%	87%	87%	87%	87%	87%	87%	87%	87%	87%
Adipic Acid																						
Requirement for HMD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Requirement for PA66	0.3%	97	141	136	131	143	145	149	147	160	154	155	157	160	156	158	158	158	157	158	159	160
Requirement for Other	1.4%	175	208	217	219	243	253	253	272	285	277	284	288	292	296	299	304	308	312	318	323	327
Total Requirement	1.0%	272	349	353	350	386	398	402	419	445	431	439	445	452	452	457	462	465	470	477	482	487
Import	1.0%	165	198	203	225	247	260	263	280	304	291	288	287	291	289	293	297	301	304	309	314	317
Export	0.0%	136	184	162	101	82	75	70	84	90	91	80	80	80	80	80	80	80	80	80	80	80
Production	0.0%	243	335	312	226	220	216	209	223	231	229	231	239	241	243	244	245	244	246	248	248	249
Capacity	0.0%	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398
Utilisation		61%	84%	78%	57%	76%	75%	73%	77%	80%	80%	80%	80%	84%	84%	85%	85%	85%	86%	86%	86%	86%
KA Oil																						
Requirement for AA	0.7%	178	245	228	165	161	158	153	163	169	167	169	174	176	177	178	179	178	180	181	181	182
Import	0.9%	108	105	103	100	96	94	89	97	98	98	94	98	99	100	100	101	100	101	102	102	103
Export	0.6%	108	88	117	116	110	93	102	78	87	87	80	82	85	85	85	85	85	85	85	85	85
Production	0.6%	177	228	242	180	175	156	166	144	157	156	154	160	163	163	163	163	163	164	164	164	164
Capacity	0.0%	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283	283
Utilisation		63%	81%	86%	64%	93%	83%	88%	77%	8												



PA66 Production (kt)		AUSTRALIA 澳大利亚																						
		CAGR 2019-2029	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	
Fibres	Textile Filament	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Textile Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Utilisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Industrial Filament	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Industrial Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Utilisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Carpet Filament	11.6%	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	
Plastics	Carpet Capacity	0.0%	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
	Utilisation	40%	40%	40%	40%	40%	20%	20%	20%	20%	20%	20%	20%	40%	40%	40%	40%	40%	40%	60%	60%	60%	60%	
	Total Filament	11.6%	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	
	Total Capacity	0.0%	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
	Utilisation	40%	40%	40%	40%	40%	20%	20%	20%	20%	20%	20%	20%	40%	40%	40%	40%	40%	40%	60%	60%	60%	60%	
	Staple Fibre	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Staple Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Film	Utilisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Total	11.6%	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	
	Requirement	2.4%	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	
	Import	0.0%	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
	Export	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Production of PA66 EP	4.6%	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	
	Production of PA6 EP	-	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	
Polymer 聚合物	Capacity	0.0%	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
	Utilisation	51%	53%	53%	53%	72%	72%	70%	88%	88%	88%	51%	28%	30%	32%	33%	35%	37%	38%	40%	42%	43%	45%	47%
	Production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Requirement	9.6%	4	4	4	4	4	3	3	3	3	3	2	2	3	4	4	4	4	4	5	5	5	
	Import	9.6%	4	4	4	4	4	3	3	3	3	3	2	2	3	4	4	4	4	4	5	5	5	
	Export	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
66 Salt	Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Utilisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Requirement	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Import	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Export	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HMD	Utilisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Requirement for PA66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Requirement for Other PA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Requirement for Other Non-PA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Total Requirement	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Import	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Export	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ADN	Production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Utilisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Requirement	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Import	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Export	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Adipic Acid	Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Utilisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Requirement for HMD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Requirement for PA66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Requirement for Other	2.5%	2	3	3	3	3	3	3	3	2	1	2	2	2	2	2	2	2	2	2	2	3	
	Total Requirement	2.5%	2	3	3	3	3	3	3	3	2	1	2	2	2	2	2	2	2	2	2	2	3	
	Import	2.5%	2	3	3	3	3	3	3	3	3	2	1	2	2	2	2	2	2	2	2	2	3	
KA Oil	Export	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Utilisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Requirement for AA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Import	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Export	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Utilisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

85

附件 11：申请调查国家向第三国出口情况统计

(数据来源：美国国际贸易委员会官网海关数据查询系统，网址：<https://dataweb.usitc.gov/trade/search>)

dataweb.usitc.gov

FAS Value for All Countries

Total Exports Annual Data

				(In Actual Dollars)
Country	HTS Number	Description	Year 2019	
Sweden	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	82,727	
Ecuador	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	250,590	
Argentina	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	32,219,524	
Bolivia	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	3,480	
Dominican Rep	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	5,789,632	
Tunisia	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	141,173	
Poland	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	199,464	
Kenya	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	303,875	
St Kitts-Nevis	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	3,020	
Malaysia	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	24,884,035	
Israel	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	1,885,344	
Algeria	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	336,236	
Indonesia	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	76,560,596	
South Korea	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	152,604,060	

FAS Value for All Countries				
Total Exports Annual Data				
			(In Actual Dollars)	
Country	HTS Number	Description	Year 2019	
Mexico	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	481,614,110	
Lithuania	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	5,000	
Eq Guinea	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	10,916	
Iceland	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	10,918	
Uruguay	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	4,296	
Sri Lanka	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	11,220	
Ukraine	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	511,434	
Paraguay	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	25,667	
Chile	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	1,412,284	
Costa Rica	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	8,190,076	
Belgium	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	109,533,084	
Nigeria	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	39,040	
United Arab Em	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	761,365	
Taiwan	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	88,070,772	

3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	20,002,332
---------	---	------------

FAS Value for All Countries

Total Exports Annual Data

		(In Actual Dollars)
Country	HTS Number	Description
		Year 2019

Luxembourg	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	221,429
Czech Republic	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	41,419
Estonia	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	16,210
Peru	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	4,666,389
Brazil	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	54,225,068
Bangladesh	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	120,780
Hong Kong	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	65,366,656
Singapore	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	18,892,726
Ireland	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	3,288,176
France	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	4,007,318
Japan	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	87,622,162
Vietnam	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	121,767,355
Austria	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	55,213
Customs	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	82,065

Guatemala	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	02,000
FAS Value for All Countries			
Total Exports Annual Data			
			(In Actual Dollars)
Country	HTS Number	Description	Year 2019

Norway	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	3,525
China	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	160,808,043
Saudi Arabia	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	3,675,520
United Kingdom	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	18,758,469
El Salvador	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	40,177
Colombia	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	1,984,946
Thailand	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	97,854,032
Slovenia	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	13,809,535
Germany	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	20,748,709
Netherlands	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	65,881,506
Canada	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	158,786,545
Italy	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	26,211,922
New Zealand	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	1,285,236
Venezuela	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	311,865

VENEZUELA	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	47,555
FAS Value for All Countries			
Total Exports Annual Data			
			(In Actual Dollars)
Country	HTS Number	Description	Year 2019

Finland	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	47,555
India	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	34,894,491
Honduras	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	1,543,897
Egypt	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	3,286,143
Bulgaria	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	2,655
Russia	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	1,400,060
Pakistan	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	36,715
Spain	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	1,272,691
Switzerland	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	448,052
Romania	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	24,044
Nicaragua	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	11,784
Morocco	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	278,410
South Africa	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	4,470,786
Dominican Republic	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	18,525

Polyamide-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (Nylon type), in primary forms	3908.10		
FAS Value for All Countries			
Total Exports Annual Data			
			(In Actual Dollars)
Country	HTS Number	Description	Year 2019

Slovakia	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	6,552
Australia	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	7,076,269
Philippines	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	1,303,899
Mauritius	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	21,294
Turkey	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	36,644,987
Total:			2,018,744,303

Note: DataWeb is optimized for modern web browsers, including Chrome, Firefox, Safari, and Edge.

© 2020 United States International Trade Commission
v4.5.3

dataweb.usitc.gov

First Unit of Quantity for All Countries

Total Exports Annual Data

					(In Actual)
Country	HTS Number	Description	Quantity Description	Year 2019	
Russia	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	406,506	
Paraguay	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	386	
Algeria	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	84,000	
United Kingdom	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	4,594,296	
Mexico	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	123,190,343	
Sweden	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	3,129	
Germany	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	7,458,510	
Brazil	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	14,582,908	
Poland	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	93,089	

Peru	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	2,324,880
Hong Kong	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	17,711,090
Uruguay	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	896
Canada	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	47,021,584
Indonesia	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	25,653,069
Finland	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	10,548
Turkey	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	11,901,151
Ecuador	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	95,305
Colombia	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	491,392
Costa Rica	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	2,630,633
Guatemala	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	14,113
Morocco	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	69,823

		3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	20,632,329
Japan					
Sri Lanka		3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	324
India		3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	13,925,241
Switzerland		3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	90,711
Pakistan		3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	23,564
Panama		3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	4,327
Australia		3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	2,328,228
Venezuela		3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	100,515
Iceland		3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	218
Estonia		3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	200
Vietnam		3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	44,143,323
Taiwan		3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	30,150,358
Honduras		3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	340,090

Israel	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	619,762
New Zealand	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	293,909
Nigeria	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	10,192
Austria	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	7,088
Spain	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	360,888
Romania	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	2,367
Netherlands	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	20,869,426
South Africa	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	1,303,098
South Korea	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	51,964,715
Czech Republic	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	2,136
China	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	40,757,203
Ireland	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	748,673
Chile	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	606,465

United Arab Em	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	307,071
Ukraine	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	141,000
Argentina	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	11,671,711
Thailand	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	33,866,991
Luxembourg	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	19,600
St Kitts-Nevis	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	748
Malaysia	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	13,579,317
Norway	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	500
Dominican Rep	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	513,213
Slovenia	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	5,716,064
Bulgaria	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	680
Saudi Arabia	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	1,541,762
Italy	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	8,344,136

Belgium	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	28,569,094
Eq Guinea	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	186
Slovakia	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	230
El Salvador	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	4,577
Mauritius	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	523
Singapore	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	6,099,893
Bangladesh	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	66,000
France	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	544,220
Lithuania	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	19,467
Tunisia	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	83,724
Nicaragua	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	119
Egypt	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	1,630,003
Bolivia	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	690

Kenya	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	303,875
Philippines	3908.10	POLYAMIDE-6,-11,-12,-6,6,-6,9,-6,10 OR -6,12 (NYLON TYPE), IN PRIMARY FORMS	kilograms	228,002
Total:				600,876,397

Note: DataWeb is optimized for modern web browsers, including Chrome, Firefox, Safari, and Edge.

© 2020 United States International Trade Commission
v4.5.3

附件 12： 申请人财务数据和报表

非保密概要

附件 12：本附件之内容为申请书正文部分所提供的申请人的生产、经营和财务数据的底层数据。本部分内容属于申请人的商业秘密，故申请保密。

在申请书公开版本的正文部分，已经以指数和数值区间形式提供了上述申请人生产、经营和财务数据的非保密概要，其他利害关系方可以理解。

附件 13：2015 年至 2019 年美元兑人民币 汇率

(数据来源：中国人民银行官网，网址: www.pbc.gov.cn)



中国人民银行
THE PEOPLE'S BANK OF CHINA

调查统计司
Statistics and Analysis Department

信息公开

服务互动

[新闻发布](#) [法律法规](#) [货币政策](#) [宏观审慎](#) [信贷政策](#) [金融市场](#) [金融稳定](#) [调查统计](#) [银行会计](#) [支付体系](#)
[金融科技](#) [人民币](#) [经理国库](#) [国际交往](#) [人员招录](#) [金融研究](#) [征信管理](#) [反洗钱](#) [党建工作](#) [工会工作](#)
[公开目录](#) [政策解读](#) [公告信息](#) [图文直播](#) [工作论文](#) [音频视频](#) [市场动态](#) [网上展厅](#) [报告下载](#) [报刊年鉴](#)
[网送文告](#) [办事大厅](#) [在线申报](#) [下载中心](#) [网上调查](#) [法规意见征集](#) [金融知识](#) [关于我们](#)

首页

2020年7月17日 星期五 | 我的位置: 首页 > 调查统计司 > 统计数据 > 2020年统计数据 > 货币统计概览

请输入搜索关键字

搜索

高级搜索

■ 货币统计概览 Money and Banking Statistics

[返回](#)

官方储备资产
Official reserve assets

[htm](#) [xls](#) [pdf](#)

货币当局资产负债表
Balance Sheet of Monetary Authority

[htm](#) [xls](#) [pdf](#)

存款性公司概览
Depository Corporations Survey

[htm](#) [xls](#) [pdf](#)

其他存款性公司资产负债表
Balance Sheet of Other Depository Corporations

[htm](#) [xls](#) [pdf](#)

货币供应量
Money Supply

[htm](#) [xls](#) [pdf](#)

汇率报表
Exchange Rate

[htm](#) [xls](#) [pdf](#)

境外机构和个人持有境内人民币金融资产情况
Domestic RMB Financial Assets Held by Overseas Entities

[htm](#) [xls](#) [pdf](#)

[01](#) [02](#) [03](#)

[04](#) [05](#) [06](#)

国际储备与外币流动性数据模板
Template on International Reserves and Foreign Currency Liquidity

[07](#) [08](#) [09](#)

[10](#) [11](#) [12](#)

公布日程预告
Advance Release Calendar (ARC)

[xls](#)



[法律声明](#) | [联系我们](#) | [设为首页](#) | [加入收藏](#) | [网站地图](#)

京ICP备05073439号 网站标识码: bm25000001 京公网安备 11010202000016号

网站主办单位: 中国人民银行办公厅 最佳分辨率: 1024*768

汇率
Exchange Rate

项目 Item	2015.01	2015.02	2015.03	2015.04	2015.05	2015.06	2015.07	2015.08	2015.09	2015.10	2015.11	2015.12
一特别提款权单位折合人民币元（期末数） Yuan per SDR (End of Period)	8.6519	8.6519	8.4731	8.5984	8.5093	8.5982	8.5317	8.9693	8.9296	8.8694	8.7767	8.9984
一美元折合人民币（期末数） Yuan per US Dollar (End of Period)	6.137	6.1475	6.1422	6.1137	6.1196	6.1136	6.1172	6.3893	6.3613	6.3495	6.3962	6.4936
一美元折合人民币（平均数） Yuan per US Dollar (Period Average)	6.1272	6.1339	6.1507	6.1302	6.1143	6.1161	6.1167	6.3056	6.3691	6.3486	6.3666	6.4476

2015年平均汇率：6.8967

汇率
Exchange Rate

项目 Item	2016. 01	2016. 02	2016. 03	2016. 04	2016. 05	2016. 06	2016. 07	2016. 08	2016. 09	2016. 10	2016. 11	2016. 12
—特别提款权单位折合人民币元（期末数） Yuan per SDR（End of Period）	9.0445	9.0215	9.1027	9.1789	9.2295	9.276	9.2675	9.3293	9.3209	9.2929	9.3227	9.3256
—美元折合人民币（期末数） Yuan per US Dollar（End of Period）	6.5516	6.5452	6.4612	6.4589	6.579	6.6312	6.6511	6.6908	6.6778	6.7641	6.8865	6.937
—美元折合人民币（平均数） Yuan per US Dollar（Period Average）	6.5527	6.5311	6.5064	6.4762	6.5315	6.5874	6.6774	6.6474	6.6715	6.7442	6.8375	6.9182

2016年平均汇率：6.6117

汇率
Exchange Rate

项目 Item	2017.01	2017.02	2017.03	2017.04	2017.05	2017.06	2017.07	2017.08	2017.09	2017.10	2017.11	2017.12
—特别提款权单位折合人民币元（期末数） Yuan per SDR（End of Period）	9.3480	9.3002	9.3501	9.4569	9.4534	9.4364	9.4693	9.3223	9.3958	9.3110	9.3521	9.2734
—美元折合人民币（期末数） Yuan per US Dollar（End of Period）	6.8588	6.8750	6.8993	6.8931	6.8633	6.7744	6.7283	6.6010	6.6369	6.6397	6.6034	6.5342
—美元折合人民币（平均数） Yuan per US Dollar（Period Average）	6.8918	6.8713	6.8932	6.8845	6.8827	6.8019	6.7654	6.6736	6.5634	6.5154	6.6186	6.5942

2017年平均汇率：6.7463

汇率
Exchange Rate

项目 Item	2018.01	2018.02	2018.03	2018.04	2018.05	2018.06	2018.07	2018.08	2018.09	2018.10	2018.11	2018.12
一特别提款权单位折合人民币元（期末数） Yuan per SDR (End of Period)	9.2293	9.1516	9.142	9.1162	9.0694	9.3067	9.5763	9.5639	9.5982	9.5732	9.5928	9.5760
一美元折合人民币（期末数） Yuan per US Dollar (End of Period)	6.3339	6.3294	6.2881	6.3393	6.4144	6.6166	6.8165	6.8246	6.8792	6.9646	6.9357	6.8632
一美元折合人民币（平均数） Yuan per US Dollar (Period Average)	6.4364	6.3162	6.322	6.2975	6.3758	6.4556	6.7034	6.8433	6.8448	6.9246	6.9351	6.8853

2018年平均汇率：6.6401

汇率
Exchange Rate

项目 Item	2019.01	2019.02	2019.03	2019.04	2019.05	2019.06	2019.07	2019.08	2019.09	2019.10	2019.11	2019.12
一特别提款权单位折合人民币元（期末数） Yuan per SDR（End of Period）	9.3882	9.3526	9.3479	9.3242	9.5045	9.5573	9.4685	9.6907	9.6426	9.7293	9.6512	9.6975
一美元折合人民币（期末数） Yuan per US Dollar（End of Period）	6.7025	6.6901	6.7335	6.7286	6.8992	6.8747	6.8841	7.0879	7.0729	7.0533	7.0298	6.9762
一美元折合人民币（平均数） Yuan per US Dollar（Period Average）	6.7897	6.7364	6.7093	6.7151	6.8524	6.882	6.8752	7.0214	7.0785	7.0702	7.0177	7.0128

2019年平均汇率：6.2272