

Technical Data

Product Description					
Marlex® KN226	<p>This autoclave LDPE homopolymer is tailored for applications that require:</p> <ul style="list-style-type: none"> • Good flexibility • Excellent flow • Good warpage resistance <p>Typical injection molded applications for KN226 include:</p> <ul style="list-style-type: none"> • Housewares • Personal care products • Luggage handles <p>This resin meets these specifications:</p> <ul style="list-style-type: none"> • ASTM D4976 - PE 112 • FDA 21 CFR 177.1520(c) 2.2, use conditions B through H per 21 CFR 176.170(c) 				
TITANLENE® LDI 300YY	<p>LDI300YY is a low density polyethylene resin for injection molding and is a barefoot grade. LDI300YY meets the U.S. Food and Drug Administration (FDA) criteria for food contact use as specified in 21 CFR 177.1520 (c) 2.1 & (c) 2.2.</p> <p>APPLICATIONS: Medium sized molding, Cosmetic containers, Bottle closures, Food containers.</p> <p>Characteristics: High stiffness, good toughness, excellent gloss.</p>				
ExxonMobil™ LDPE LD 600BA	<p>LD 600BA 是一种高流动性的低密度聚乙烯牌号，其特点包括高挺度和良好的韧性。它具有易加工性。</p>				
Lupolen 1800S	<p>Lupolen 1800S is a low density polyethylene resin used in injection molding and other processing methods like compounding. It exhibits high flowability, good softness, toughness and dimensional stability. Lupolen 1800S is delivered in pellet form and is not additivated. Lupolen 1800S is used in applications such as toys, caps & closures, engineering parts, and sports and leisure equipment.</p> <p>Lupolen 1800S is not intended for use in medical and pharmaceutical applications.</p>				
PAXOTHENE® NA208	<p>PAXOTHENE NA208 (LDPE) having excellent melt flow characteristic, high gloss, good toughness and stiffness, is especially used for injection molding applications requiring excellent appearance, medium toughness and stiffness, such as housewares, toys, Christmas light sockets or main stems of plastic trees, etc. The resin's excellent melt flow characteristics permit short cycle time for economical moldings.</p> <p>PAXOTHENE NA208 can also be ground into powder for coating.</p>				
General	Marlex® KN226	TITANLENE® LDI 300YY	ExxonMobil™ LDPE LD 600BA	Lupolen 1800S	PAXOTHENE® NA208
Manufacturer / Supplier	• Chevron Phillips Chemical Company LLC	• Lotte Chemical Titan (M) Sdn. Bhd.	• ExxonMobil	• LyondellBasell Industries	• USI Corporation
Generic Symbol	• LDPE	• LDPE	• LDPE	• LDPE	• LDPE



General	Marlex® KN226	TITANLENE® LDI 300YY	ExxonMobil™ LDPE LD 600BA	Lupolen 1800S	PAXOTHENE® NA208
Material Status	• 已商用：当前有效	• 已商用：当前有效	• 已商用：当前有效	• 已商用：当前有效	• 已商用：当前有效
资料 ¹	• Technical Datasheet (English)	• Technical Datasheet (English)	• Technical Datasheet	• Processing - Mold Shrink (English) • Processing - PE Films (English) • Processing - Polyolefin Injection Molding Guide (English) • Technical Datasheet (English)	• Technical Datasheet (English)
搜索 UL 黄卡	• Chevron Phillips Chemical Company LLC • Marlex®	• Lotte Chemical Titan (M) Sdn. Bhd.	• ExxonMobil	• LyondellBasell Industries • Lupolen	--
Availability	• 北美洲 • 拉丁美洲	• 亚太地区	• 非洲和中东 • 欧洲	• 非洲和中东 • 拉丁美洲 • 欧洲 • 亚太地区	• 亚太地区
Features	• 低密度 • 均聚物 • 抗弯曲 • 良好的柔韧性 • 流动性高 • 耐高压加热性 • 食品接触的合规性	• 低密度 • 高刚性 • 高光 • 韧性良好	--	• 尺寸稳定性良好 • 低密度 • 快的成型周期 • 良好的加工性能 • 良好的柔韧性 • 流动性高 • 耐低温冲击 • 韧性良好 • 柔软 • 无添加剂	• 低密度 • 高光 • 快的成型周期 • 良好的流动性 • 良好刚性 • 韧性良好
Uses	• 把手 • 个人护理 • 家用货品 • 皮箱	• 化妆品 • 食品容器 • 外壳	--	• 工程配件 • 护罩 • 体育用品 • 外壳 • 玩具 • 消费品应用领域 • 硬包装	• 家用货品 • 涂层应用 • 玩具 • 装饰部件
Agency Ratings	• ASTM D4976-PE112 • FDA 21 CFR 176.170(c) ² • FDA 21 CFR 177.1520(c) 2.2	• FDA 21 CFR 177.1520(c) 2.1 • FDA 21 CFR 177.1520(c) 2.2	--	--	--
Forms	• 粒子	--	--	• 粒子	--
Processing Method	• 注射成型	• 注射成型	--	• 注射成型	• 涂层 • 注射成型



Physical	Marlex® KN226	TITANLENE® LDI 300YY	ExxonMobil™ LDPE LD 600BA	Lupolen 1800S	PAXOTHENE ® NA208	单位制	测试方法
Density							
--	--	--	--	0.917	--	g/cm³	ISO 1183
--	0.925	0.920	0.924	--	0.918	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR)							
--	--	--	--	--	22	g/10 min	ASTM D1238
190°C/2.16 kg	25	20	21	--	--	g/10 min	ASTM D1238
190°C/2.16 kg	--	--	--	20	--	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (ESCR) ⁴	--	--	--	1.50	--	hr	ASTM D1693B
Mechanical	Marlex® KN226	TITANLENE® LDI 300YY	ExxonMobil™ LDPE LD 600BA	Lupolen 1800S	PAXOTHENE ® NA208	单位制	测试方法
Tensile Modulus							
1% 正割	--	186	--	--	--	MPa	ASTM D638
--	--	--	--	160	--	MPa	ISO 527-2
--	--	--	165	--	--	MPa	ISO 527-2/1A/1
Tensile Strength							
屈服 ⁵	12.0	--	--	--	--	MPa	ASTM D638
屈服	--	11.8	--	--	--	MPa	ASTM D638
屈服, 注塑	--	--	--	--	12.6	MPa	ASTM D638
屈服	--	--	--	8.00	--	MPa	ISO 527-2
断裂	--	9.81	--	--	--	MPa	ASTM D638
断裂, 注塑	--	--	--	--	9.22	MPa	ASTM D638
100% Strain	--	--	9.35	--	--	MPa	ISO 527-2/1A/50
Tensile Elongation							
断裂	--	120	--	--	--	%	ASTM D638
断裂 ⁵	150	--	--	--	--	%	ASTM D638
断裂, 注塑	--	--	--	--	130	%	ASTM D638
断裂	--	--	> 100	--	--	%	ISO 527-2/1A/50
Flexural Modulus - 正切 ⁶	330	--	--	--	--	MPa	ASTM D790
Hardness	Marlex® KN226	TITANLENE® LDI 300YY	ExxonMobil™ LDPE LD 600BA	Lupolen 1800S	PAXOTHENE ® NA208	单位制	测试方法
Durometer Hardness							
邵氏 D	51	--	--	--	53		ASTM D2240
邵氏 D	--	--	46	45	--		ISO 868
Ball Indentation Hardness (H 49/30)	--	--	--	13.0	--	MPa	ISO 2039-1



Thermal	Marlex® KN226	TITANLENE® LDI 300YY	ExxonMobil™ LDPE LD 600BA	Lupolen 1800S	PAXOTHENE ® NA208	单位制	测试方法
Brittleness Temperature							
--	--	-35.0	--	--	-60.0	°C	ASTM D746
--	-32.0	--	--	--	--	°C	ASTM D746A
Vicat Softening Temperature							
--	--	87.0	--	--	96.0	°C	ASTM D1525
--	92.0	--	--	--	--	°C	ASTM D1525 ⁷
--	--	--	90.0	--	--	°C	ISO 306
--	--	--	--	81.0	--	°C	ISO 306/A50
Peak Melting Temperature							
--	--	--	--	--	108	°C	ASTM D3418
--	--	--	--	106	--	°C	ISO 3146

Legal Statement

ExxonMobil™ LDPE
LD 600BA

有关潜在食品接触应用合规信息 (例如 : FDA、EU、HPFB), 请与埃克森美孚化工客户服务代表联系。
本产品不宜在医疗应用中使用, 亦不应在任何此类应用中使用

Injection	Marlex® KN226	TITANLENE® LDI 300YY	ExxonMobil™ LDPE LD 600BA	Lupolen 1800S	PAXOTHENE ® NA208	单位制
Processing (Melt) Temp	--	160 到 240	--	180 到 230	--	°C
Mold Temperature	--	15 到 50	--	--	--	°C

备注

- ¹ 通过这些链接您能够访问供应商资料。我们尽量保证及时更新资料 ; 不过您可以从供应商处了解最新资料。
- ² use conditions B through H
- ³ 一般属性 : 这些不能被视为规格。
- ⁴ 10% Arkopal N100
- ⁵ 类型 4, 51 mm/min
- ⁶ 13 mm/min
- ⁷ 速率 A (50°C/h), 压力 1 (10N)



购买地点

供应商	
Marlex® KN226	Chevron Phillips Chemical Company LLC The Woodlands, TX USA 电话: 800-231-1212 Web: http://www.cpchem.com/
TITANLENE® LDI 300YY	Lotte Chemical Titan (M) Sdn. Bhd. Kuala Lumpur, Malaysia 电话: +60-3-2093-4222 Web: http://www.lottechem.my/
ExxonMobil™ LDPE LD 600BA	ExxonMobil Houston, TX USA Web: http://www.exxonmobilchemical.com
Lupolen 1800S	LyondellBasell Industries Wilmington, DE USA 电话: 713-309-7200 Web: https://www.lyondellbasell.com/
PAXOTHENE® NA208	USI Corporation Taipei, Taiwan 电话: +886-2-8751-6888 Web: http://www.usife.com/



分销商

<p>Marlex® KN226</p>	<p>Amco Polymers 电话: 800-262-6685 Web: http://www.amcopolymers.com/ 供货地区: North America</p> <p>M. Holland Canada Company 电话: 905-665-1168 Web: http://www.mholland.com/ 供货地区: Canada</p> <p>M. Holland Company 电话: 855-497-1403 Web: http://www.mholland.com/ 供货地区: Mexico, United States</p> <p>PolyOne Distribution <i>PolyOne Distribution is a global distribution company. Contact PolyOne Distribution for availability of individual products by country.</i> 电话: 800-894-4266 Web: http://polyonedistribution.com/ 供货地区: Global</p>
<p>TITANLENE® LDI 300YY</p>	<p>请联系供应商以便为 TITANLENE® LDI 300YY 查找分销商</p>
<p>ExxonMobil™ LDPE LD 600BA</p>	<p>Nexeo Solutions - Europe <i>Nexeo Solutions is a Pan European distribution company. Contact Nexeo for availability of individual products by country.</i> 电话: +34-93-480-9125 Web: http://www.nexeosolutions.com/ 供货地区: Portugal, Russian Federation, Spain, United Kingdom</p> <p>Plastribution 电话: +44-845-345-4560 Web: http://www.plastribution.co.uk/ 供货地区: United Kingdom</p> <p>RESINEX Group <i>RESINEX is a Pan European distribution company. Contact RESINEX for availability of individual products by country.</i> 电话: +32-14-672511 Web: http://www.resinex.com/ 供货地区: Europe</p> <p>Telko Oy <i>Telko Oy is a Pan European distribution company. Contact Telko Oy for availability of individual products by country.</i> 电话: +358-9-5211 Web: http://www.telko.com/ 供货地区: Belarus, Denmark, Estonia, Finland, Latvia, Lithuania, Norway, Russian Federation, Sweden, Ukraine</p>



Lupolen 1800S

ALBIS Plastic

ALBIS Plastic is a global distribution and compounding company. Contact ALBIS Plastic for availability of individual products per country.

电话: +49-40-78105-0

Web: <http://www.albis.com/>

供货地区: Algeria, Austria, Belgium, Bulgaria, China, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Hong Kong, Hungary, Ireland, Latvia, Lithuania, Luxembourg, Morocco, Netherlands, Norway, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Tunisia, Turkey, United Kingdom

ESSE International - OMYA

ESSE International - OMYA is a Pan European distribution company. Contact ESSE International - OMYA for availability of individual products by country.

电话: +33-1-30-80-56-56

Web: <http://www.omya.com>

供货地区: Europe

Ultrapolymers

Ultrapolymers is a Pan European distribution company. Contact Ultrapolymers for availability of individual products by country.

电话: +32-11-57-95-57

Web: <http://www.ultrapolymers.com/>

供货地区: Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Denmark, Estonia, Finland, France, Germany, Hungary, Ireland, Italy, Latvia, Lithuania, Macedonia, Netherlands, Norway, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Turkey, United Kingdom

PAXOTHENE® NA208

请联系供应商以便为 PAXOTHENE® NA208 查找分销商

