

Technical Data

Product Description

TOTAL Polypropylene
Aceso® PPM H250 S01

Polypropylene Aceso® PPM H250 S01 is narrow molecular weight distribution homopolymer with a Melt Flow Index of 25g/10 min recommended for the manufacture of medical packaging and medical devices, to the exclusion of implants.

Polypropylene Aceso® PPM H250 S01 is the version of the Polypropylene Aceso PPM H250 based on a phthalate-free catalyst.

Borealis PP
HG385MO

HG385MO is a polypropylene homopolymer intended for injection moulding. This grade combines unique Borstar reactor design with Borealis Nucleation Technology (BNT) to produce highly-crystalline polypropylene. This product is characterized by excellent flow properties combined with a narrow molecular weight distribution well suited for low distortion products. This grade contains anti-static and slip additives, which result in short cycle time, good demoulding and low dust attraction.

Products moulded from this grade exhibit excellent dimension consistency combined with high stiffness.

Applications

- Caps and closures
- Items requiring good antistatic properties

Special Features

- High stiffness
- Excellent antistatic properties

Moplen
HP561R

Polypropylene Homopolymer Resin for Spunbond Fiber

Features:

- High melt flow with very narrow MWD resin for high speed spin continuity of low denier fiber
- Very uniform melt flow rate and low gel
- Excellent processability and wide processing operating window
- Spinnability improved with enchanted fabric properties
- Very good gas fading resistance

Applications:

- Spunbonded nonwoven fabric using for hygiene products, medical, agriculture, geotextile, etc.

TAIRIPRO®
K1023

Injection Molding

CHARACTERISTICS: High fluidity, Good stiffness, Good luster

Globalene® PT231 是一种聚丙烯均聚物(PP Homopoly)材料。该产品在北美洲或亚太地区有供货,加工方式为:注射成型。

Globalene®
PT231

Globalene® PT231 的主要特性有:

- 高流动性
- 加工性能良好
- 均聚物



典型应用领域包括:

- 电气用具
- 家庭应用
- 容器
- 生活消费品

General	TOTAL Polypropylene Aceso® PPM H250 S01	Borealis PP HG385MO	Moplen HP561R	TAIRIPRO® K1023	Globalene® PT231
Manufacturer / Supplier	• TOTAL Refining & Chemicals	• Borealis AG	• HMC Polymers	• Formosa Chemicals & Fibre Corporation	• Lee Chang Yung Chemical Industry Corp.
Generic Symbol	• PP 均聚物	• PP 均聚物	• PP 均聚物	• PP 均聚物	• PP 均聚物
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 (English)	• Processing (English) • Technical Datasheet (English)	• Technical Datasheet (English)
UL 黄卡 ²	--	• E108112-100609120	--	• E162823-224735	--
搜索 UL 黄卡	• TOTAL Refining & Chemicals	• Borealis AG	• HMC Polymers • Moplen	• Formosa Chemicals & Fibre Corporation • TAIRIPRO®	• Lee Chang Yung Chemical Industry Corp. • Globalene®
Availability	• 欧洲	• 北美洲 • 非洲和中东 • 拉丁美洲 • 欧洲 • 亚太地区	• 亚太地区	• 北美洲 • 欧洲 • 亚太地区	• 北美洲 • 亚太地区
Additive	--	• 成核剂 • 抗静电性 • 增滑剂	• 防烟熏褪色	--	--
Features	• 均聚物 • 窄分子量分布	• 成核的 • 高刚性 • 光滑性 • 均聚物 • 抗静电性 • 快的成型周期 • 良好的流动性 • 脱模性能良好 • 窄分子量分布	• 低速凝固晶点 • 均聚物 • 抗气体褪色性 • 良好的加工性能 • 流动性高 • 窄分子量分布	• 均聚物 • 良好刚性 • 流动性高	• 均聚物 • 良好的成型性能 • 流动性高
Uses	• 医疗器械 • 医用包装	• 护罩 • 外壳	• 纺粘无纺布 • 纤维	--	• 电器用具 • 家用货品 • 食品容器 • 玩具
Agency Ratings	• EC 1907/2006 (REACH) --	--	--	• EC 1907/2006 (REACH) • FDA 21 CFR 177.1520	--



General	TOTAL Polypropylene Aceso® PPM H250 S01	Borealis PP HG385MO	Moplen HP561R	TAIRIPRO® K1023	Globalene® PT231
RoHS Compliance	• RoHS 合规	--	--	• RoHS 合规	--
UL File Number	--	--	--	• E162823	--
Forms	• 粒子	• 粒子	--	--	• 粒子
Processing Method	--	• 注射成型	• 纤维 (纺纱) 挤出	• 注射成型	• 注射成型

Physical	TOTAL Polypropylene Aceso® PPM H250 S01	Borealis PP HG385MO	Moplen HP561R	TAIRIPRO® K1023	Globalene® PT231	单位制	测试方法
Density / Specific Gravity							
--	--	--	--	0.898	0.904	g/cm³	ASTM D792
--	--	--	0.900	--	--	g/cm³	ASTM D792B
--	0.905	0.905	--	--	--	g/cm³	ISO 1183
Apparent (Bulk) Density	0.53	--	--	--	--	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)							
230°C/2.16 kg	--	--	25	25	26	g/10 min	ASTM D1238
230°C/2.16 kg	25	25	--	--	--	g/10 min	ISO 1133
Molding Shrinkage							
流动	--	--	--	--	1.2	%	ASTM D955
流动 : 23°C	--	--	--	1.4 到 1.8	--	%	Internal Method
--	--	1.0 到 2.0	--	--	--	%	No Standard

Mechanical	TOTAL Polypropylene Aceso® PPM H250 S01	Borealis PP HG385MO	Moplen HP561R	TAIRIPRO® K1023	Globalene® PT231	单位制	测试方法
Tensile Modulus							
--	1350	--	--	--	--	MPa	ISO 527-2
--	--	1750	--	--	--	MPa	ISO 527-2/1
Tensile Strength							
屈服	--	--	32.0	--	35.3	MPa	ASTM D638
屈服, 23°C	--	--	--	33.0	--	MPa	ASTM D638
屈服	32.0	--	--	--	--	MPa	ISO 527-2
屈服	--	36.0	--	--	--	MPa	ISO 527-2/50



Mechanical	TOTAL Polypropylene Aceso® PPM H250 S01	Borealis PP HG385MO	Moplen HP561R	TAIRIPRO® K1023	Globalene® PT231	单位制	测试方法
Tensile Elongation							
屈服	--	--	11	--	9.0	%	ASTM D638
屈服	< 10	--	--	--	--	%	ISO 527-2
屈服	--	8.0	--	--	--	%	ISO 527-2/50
断裂	--	--	--	--	22	%	ASTM D638
断裂, 23°C	--	--	--	> 200	--	%	ASTM D638
Flexural Modulus							
--	--	--	--	--	1610	MPa	ASTM D790
--	--	--	1240	--	--	MPa	ASTM D790A
23°C	--	--	--	1370	--	MPa	ASTM D790A
--	1250	1700	--	--	--	MPa	ISO 178
Impact	TOTAL Polypropylene Aceso® PPM H250 S01	Borealis PP HG385MO	Moplen HP561R	TAIRIPRO® K1023	Globalene® PT231	单位制	测试方法
Charpy Notched Impact Strength							
23°C	5.0	--	--	--	--	kJ/m ²	ISO 179
23°C	--	3.0	--	--	--	kJ/m ²	ISO 179/1eA
Notched Izod Impact							
23°C	--	--	--	--	21	J/m	ASTM D256
23°C	--	--	24	--	--	J/m	ASTM D256A
23°C, 3.18 mm	--	--	--	25	--	J/m	ASTM D256
23°C	3.5	--	--	--	--	kJ/m ²	ISO 180
Hardness	TOTAL Polypropylene Aceso® PPM H250 S01	Borealis PP HG385MO	Moplen HP561R	TAIRIPRO® K1023	Globalene® PT231	单位制	测试方法
Rockwell Hardness							
R 级	--	--	--	--	100		ASTM D785
R 级, 23°C	--	--	--	100	--		ASTM D785
R 计秤	90	--	--	--	--		ISO 2039-2



Thermal	TOTAL Polypropylene Aceso® PPM H250 S01	Borealis PP HG385MO	Moplen HP561R	TAIRIPRO® K1023	Globalene® PT231	单位制	测试方法
Deflection Temperature Under Load							
0.45 MPa, 未退火	--	--	94.0	--	--	°C	ASTM D648
0.45 MPa, 未退火 ⁴	--	108	--	--	--	°C	ISO 75-2/B
0.45 MPa, 未退火	95.0	--	--	--	--	°C	ISO 75-2/B
1.8 MPa, 未退火, 6.35 mm	--	--	--	110	--	°C	ASTM D648
1.8 MPa, 未退火	52.0	--	--	--	--	°C	ISO 75-2/A
Vicat Softening Temperature							
--	148	--	--	--	--	°C	ISO 306/A50
--	80.0	--	--	--	--	°C	ISO 306/B50
Melting Temperature (DSC)	165	--	--	--	--	°C	ISO 3146
Flammability	TOTAL Polypropylene Aceso® PPM H250 S01	Borealis PP HG385MO	Moplen HP561R	TAIRIPRO® K1023	Globalene® PT231	单位制	测试方法
Flame Rating	--	--	--	HB	--		UL 94
Additional Information	TOTAL Polypropylene Aceso® PPM H250 S01	Borealis PP HG385MO	Moplen HP561R	TAIRIPRO® K1023	Globalene® PT231	单位制	测试方法
Heat Deflection Temperature	--	--	--	--	109	°C	ASTM D648
Injection	TOTAL Polypropylene Aceso® PPM H250 S01	Borealis PP HG385MO	Moplen HP561R	TAIRIPRO® K1023	Globalene® PT231	单位制	
Processing (Melt) Temp	--	220 到 260	--	200 到 290	--	°C	
Mold Temperature	--	10 到 30	--	30 到 50	--	°C	
Injection Pressure	--	--	--	7.85 到 11.8	--	MPa	
Injection Rate	--	快速	--	--	--		
Holding Pressure	--	20.0 到 50.0	--	--	--	MPa	

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 UL 黄卡含有 UL 验证的易燃性和电气特性。UL Prospector 持续努力在 Prospector 中将黄卡链接至单个塑料材料，然而此列表可能未包括所有相应链接。重要的是，我们对 Prospector 中找到的这些黄卡和塑料材料之间的关联进行验证。如需完整的黄卡列表，请访问 UL 黄卡搜索。

³ 一般属性：这些不能被视为规格。

⁴ Injection Molded



购买地点

供应商	
TOTAL Polypropylene Aceso® PPM H250 S01	TOTAL Refining & Chemicals Houston, TX USA 电话: 713-483-5000 Web: http://www.totalrefiningchemicals.com/
Borealis PP HG385MO	Borealis AG Vienna, Austria 电话: +43-122-400-302 Web: http://www.borealisgroup.com/
Moplen HP561R	HMC Polymers Bangkok, Thailand 电话: +66-2-679-6388 Web: http://www.hmcpolymers.com/
TAIRIPRO® K1023	Formosa Chemicals & Fibre Corporation Taipei, Taiwan 电话: +886-2-2712-2211 Web: http://en.fcfc-plastics.com/
Globalene® PT231	Lee Chang Yung Chemical Industry Corp. Taipei, Taiwan 电话: +886-2-2528-8895 Web: http://www.lcygroup.com



分销商

TOTAL Polypropylene Aceso® PPM H250 S01

Plastribution

电话: +44-845-345-4560
 Web: <http://www.plastribution.co.uk/>
 供货地区: United Kingdom

RESINEX Group

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

电话: +32-14-672511
 Web: <http://www.resinex.com/>
 供货地区: Europe

SNETOR Distribution

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

电话: +33-1-4904-8888
 Web: <http://www.snetor.com/>
 供货地区: France

Telko Oy

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

电话: +358-9-5211
 Web: <http://www.telko.com/>
 供货地区: Denmark, Estonia, Finland, Latvia, Lithuania, Norway, Russian Federation, Sweden

TER HELL PLASTIC GMBH

TER HELL PLASTIC is a Pan European distribution company. Contact TER HELL PLASTIC for availability of individual products by country.

电话: +49-232-3941-0
 Web: <http://www.terhell.de/>
 供货地区: France, Germany, Poland, Spain

Borealis PP HG385MO

Biesterfeld Plastic GmbH

Biesterfeld Plastic GmbH is a Pan European distribution company. Contact Biesterfeld Plastic GmbH for availability of individual products by country.

电话: +49-40-32008-0
 Web: <http://www.biesterfeld-plastic.com/>
 供货地区: Bosnia and Herzegovina, Bulgaria, Ireland, Romania, Serbia, Turkey, United Kingdom

Nexeo Solutions - Europe

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

电话: +34-93-480-9125
 Web: <http://www.nexeosolutions.com/>
 供货地区: Austria, Belgium, Bulgaria, Czech Republic, Denmark, Finland, France, Germany, Ireland, Italy, Latvia, Lithuania, Luxembourg, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Slovakia, Spain, Sweden, Switzerland, United Kingdom

Moplen HP561R

请联系供应商以便为 Moplen HP561R 查找分销商

TAIRIPRO® K1023

Click Plastics AG

Click Plastics AG is a Pan European distribution company. Contact Click Plastics for availability of individual products by country.

电话: +49-6251-770-690-0
 Web: <http://www.clickplastics.com>
 供货地区: Germany



Osterman & Company

电话: 800-914-4437
Web: <http://www.osterman-co.com/>
供货地区: North America

PolySource

电话: 866-558-5300
Web: <http://www.polysource.net/>
供货地区: North America

Resinal de México

电话: +52-55-5254-7600
Web: <http://resinal.mx/>
供货地区: Mexico

Globalene® PT231

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