

Technical Data

产品说明

LG ABS XR401	<p>Description</p> <ul style="list-style-type: none"> Heat Resistance <p>Applications</p> <ul style="list-style-type: none"> Electric & Electronic Housing (Frame etc), Automotives Interior & Exterior Housing (lamp housing etc)
MAGNUM™ 3453	<p>MAGNUM™ 3453 ABS 是一种通用型的注塑模塑树脂，适用范围广泛。该产品综合了中等至高等的抗冲击强度和良好的流动性。</p> <p>陶氏 ABS 树脂的大生产（连续工艺流程）技术可确保一种 ABS 树脂综合了优异的加工性能和稳定的浅基色，使其易于自着色。</p> <p>应用领域：</p> <ul style="list-style-type: none"> 家用电器 电话 电子设备和计算机设备 消费品 玩具 汽车内饰件
POLYLAC® PA-777B	<p>Medium heat, High impact</p>
LG ABS ER461	<p>Description</p> <ul style="list-style-type: none"> Heat Resistance <p>Application</p> <ul style="list-style-type: none"> Automotives Interior & Exterior Housing (Garnish etc)
POLYLAC® PA-777D	<p>Super high heat</p>

总览	LG ABS XR401	MAGNUM™ 3453	POLYLAC® PA-777B	LG ABS ER461	POLYLAC® PA-777D
生产商/供应商	• LG Chem Ltd.	• Trinseo	• CHI MEI CORPORATION	• LG Chem Ltd.	• CHI MEI CORPORATION
通用符号	• ABS	• ABS	• ABS	• ABS	• ABS
材料状态	• 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



总览	LG ABS XR401	MAGNUM™ 3453	POLYLAC® PA-777B	LG ABS ER461	POLYLAC® PA-777D
资料 ¹	<ul style="list-style-type: none"> Technical Datasheet - ASTM (English) Technical Datasheet - ISO (English) 	<ul style="list-style-type: none"> Brochure - MAGNUM™ ABS - The Benchmark ABS for Extrusion (English) Brochure - MAGNUM™ ABS Resins - Proven to enhance productivity and efficiency (English) Brochure - Tough Materials for Household- & Commercial-Use Consumer Electronic Equipment Housings (English) Technical Datasheet 	<ul style="list-style-type: none"> Processing (English) Technical Datasheet - ASTM (Chinese) Technical Datasheet - ASTM (English) Technical Datasheet - ISO (English) 	<ul style="list-style-type: none"> Technical Datasheet - ASTM (English) Technical Datasheet - ISO (English) 	<ul style="list-style-type: none"> Processing (English) Technical Datasheet - ASTM (Chinese) Technical Datasheet - ASTM (English) Technical Datasheet - ISO (English)
UL 黄卡 ²	<ul style="list-style-type: none"> E248280-462768 E67171-248410 	<ul style="list-style-type: none"> E162447-238263 E73656-249571 	<ul style="list-style-type: none"> E56070-245744 	<ul style="list-style-type: none"> E67171-248359 	<ul style="list-style-type: none"> E56070-245749
搜索 UL 黄卡	<ul style="list-style-type: none"> LG Chem Ltd. LG ABS 	<ul style="list-style-type: none"> Trinseo MAGNUM™ 	<ul style="list-style-type: none"> CHI MEI CORPORATION POLYLAC® 	<ul style="list-style-type: none"> LG Chem Ltd. LG ABS 	<ul style="list-style-type: none"> CHI MEI CORPORATION POLYLAC®
供货地区	<ul style="list-style-type: none"> 北美洲 拉丁美洲 欧洲 亚太地区 	<ul style="list-style-type: none"> 北美洲 欧洲 	<ul style="list-style-type: none"> 北美洲 非洲和中东 拉丁美洲 欧洲 亚太地区 	<ul style="list-style-type: none"> 北美洲 拉丁美洲 欧洲 亚太地区 	<ul style="list-style-type: none"> 北美洲 非洲和中东 拉丁美洲 欧洲 亚太地区
特性	<ul style="list-style-type: none"> Good Heat Resistance 	<ul style="list-style-type: none"> 高抗冲击性 良好的加工性能 良好的流动性 	<ul style="list-style-type: none"> 高抗冲击性 耐热性，中等 	<ul style="list-style-type: none"> Good Heat Resistance 	<ul style="list-style-type: none"> 耐热性，高
用途	<ul style="list-style-type: none"> 电器外壳 汽车内部零件 汽车外部零件 	<ul style="list-style-type: none"> 电气/电子应用领域 电器用具 通用 玩具 	--	<ul style="list-style-type: none"> 汽车内部零件 汽车外部零件 外壳 	--
RoHS 合规性	--	--	• RoHS 合规	--	• RoHS 合规



总览	LG ABS XR401	MAGNUM™ 3453	POLYLAC® PA-777B	LG ABS ER461	POLYLAC® PA-777D
汽车要求	<ul style="list-style-type: none"> • CHRYSLER MS-DB-300 CPN4807 • GM GMP.ABS.003 • GM GMW15572P-ABS-T2 • HYUNDAI MS225-18 T2 		<ul style="list-style-type: none"> • CHRYSLER MS-DB-300 CPN4500 Color: 黑色 • CHRYSLER MS-DB-300 CPN4881 Color: All Colors • DELPHI DX300088 Color: 黑色 • GM GMW15572P-ABS-T2 • TOYOTA TSM 5512G-2C Color: 黑色 	<ul style="list-style-type: none"> • HYUNDAI MS225-18 T6 	<ul style="list-style-type: none"> • ASTM D4673 ABS 0136 Color: 黑色 • CHRYSLER MS-DB-191 Type B CPN3395 Color: 黑色 • CHRYSLER MS-DB-191 Type B CPN3395 Color: 原色 • CHRYSLER MS-DB-191 Type B CPN3445 Color: All Colors • DELPHI DX300000 Color: 黑色 • GM GMP.ABS.009 • GM GMP.ABS.014 • GM GMW15572P-ABS-T2 • GM GMW15572P-ABS-T3
形式	--	• 粒子	--	--	--
加工方法	• 注射成型	--	--	• 注射成型	--
多点数据	• Specific Heat vs. Temperature (ISO 11403-2)	--	--	--	--
树脂 ID (ISO 1043)	--	--	• >ABS<	--	• >ABS<

物理性能	LG ABS XR401	MAGNUM™ 3453	POLYLAC® PA-777B	LG ABS ER461	POLYLAC® PA-777D	单位制	测试方法
密度 / 比重							
-- ⁴	1.05	--	1.03	1.05	1.06	g/cm ³	ASTM D792
23°C	1.05	--	1.03	1.05	1.06	g/cm ³	ISO 1183
--	--	1.05	--	--	--	g/cm ³	ISO 1183/B
表观密度	--	0.65	--	--	--	g/cm ³	ISO 60
熔流率 (熔体流动速率)							
220°C/10.0 kg	9.0	--	7.5	14	5.5	g/10 min	ASTM D1238
220°C/10.0 kg	--	15	--	--	--	g/10 min	ISO 1133
230°C/3.8 kg	--	5.0	--	--	--	g/10 min	ISO 1133
熔融体积流量 (MVR) (220°C/10.0 kg)	9.0	--	8.5	14	5.5	cm ³ /10min	ISO 1133



物理性能	LG ABS XR401	MAGNUM™ 3453	POLYLAC® PA-777B	LG ABS ER461	POLYLAC® PA-777D	单位制	测试方法
收缩率							
流动 : 23°C, 3.20 mm, 注塑	0.40 到 0.70	--	--	0.40 到 0.70	--	%	ASTM D955
--	--	--	0.30 到 0.60	--	0.30 到 0.60	%	ISO 294-4
流动	--	0.40 到 0.70	--	--	--	%	ISO 294-4
流动 : 23°C, 3.20 mm ⁵	0.40 到 0.70	--	--	0.40 到 0.70	--	%	ISO 294-4
机械性能	LG ABS XR401	MAGNUM™ 3453	POLYLAC® PA-777B	LG ABS ER461	POLYLAC® PA-777D	单位制	测试方法
拉伸模量							
23°C, 3.20 mm, 注塑 ⁶	2400	--	--	2400	--	MPa	ASTM D638
3.20 mm, 注塑	--	2280	--	--	--	MPa	ISO 527-2
23°C, 4.00 mm, 注塑	2300	--	--	2300	--	MPa	ISO 527-2/50
抗张强度							
屈服 ⁷	--	--	43.0	--	44.0	MPa	ASTM D638
屈服, 23°C, 3.20 mm, 注塑 ⁶	49.0	--	--	49.0	--	MPa	ASTM D638
屈服	--	--	44.0	--	45.0	MPa	ISO 527-2/50
屈服, 3.20 mm, 注塑	--	45.0	--	--	--	MPa	ISO 527-2/50
屈服, 23°C, 4.00 mm, 注塑	49.0	--	--	49.0	--	MPa	ISO 527-2/50
断裂	--	--	34.0	--	33.0	MPa	ISO 527-2/50
拉伸应变							
屈服, 3.20 mm, 注塑	--	2.5	--	--	--	%	ISO 527-2/50
屈服, 23°C, 4.00 mm, 注塑	> 5.0	--	--	--	--	%	ISO 527-2/50
断裂 ⁷	--	--	15	--	15	%	ASTM D638
断裂, 23°C, 3.20 mm, 注塑 ⁶	> 15	--	--	20	--	%	ASTM D638
断裂	--	--	40	--	34	%	ISO 527-2/50
断裂, 23°C, 4.00 mm, 注塑	> 15	--	--	> 20	--	%	ISO 527-2/50
弯曲模量							
-- ⁸	--	--	2140	--	2210	MPa	ASTM D790
23°C, 3.20 mm, 注塑 ⁹	2550	--	--	2550	--	MPa	ASTM D790
-- ¹⁰	--	--	2200	--	2300	MPa	ISO 178
3.20 mm, 注塑 ^{10, 11}	--	2300	--	--	--	MPa	ISO 178
23°C, 2.00 mm, 注塑 ¹⁰	--	--	--	2350	--	MPa	ISO 178
23°C, 4.00 mm, 注塑 ¹⁰	2350	--	--	--	--	MPa	ISO 178

机械性能	LG ABS XR401	MAGNUM™ 3453	POLYLAC® PA-777B	LG ABS ER461	POLYLAC® PA-777D	单位制	测试方法
弯曲强度							
-- ⁸	--	--	63.4	--	66.5	MPa	ASTM D790
23°C, 3.20 mm, 注塑 ⁹	79.0	--	--	78.0	--	MPa	ASTM D790
-- ¹⁰	--	--	67.0	--	73.0	MPa	ISO 178
3.20 mm, 注塑 ^{10, 11}	--	68.0	--	--	--	MPa	ISO 178
23°C, 4.00 mm, 注塑 ¹⁰	75.0	--	--	73.0	--	MPa	ISO 178
冲击性能	LG ABS XR401	MAGNUM™ 3453	POLYLAC® PA-777B	LG ABS ER461	POLYLAC® PA-777D	单位制	测试方法
简支梁缺口冲击强度							
-30°C	--	--	11	--	7.0	kJ/m ²	ISO 179
-30°C, 注塑 ¹²	9.0	--	--	9.0	--	kJ/m ²	ISO 179/1eA
-30°C, 注塑	--	10	--	--	--	kJ/m ²	ISO 179/1eA
23°C	--	--	22	--	14	kJ/m ²	ISO 179
23°C, 注塑 ¹²	23	--	--	25	--	kJ/m ²	ISO 179/1eA
23°C, 注塑	--	20	--	--	--	kJ/m ²	ISO 179/1eA
悬臂梁缺口冲击强度							
-30°C, 3.20 mm, 注塑	90	--	--	100	--	J/m	ASTM D256
-30°C, 6.40 mm, 注塑	80	--	--	100	--	J/m	ASTM D256
23°C, 3.20 mm	--	--	230	--	170	J/m	ASTM D256
23°C, 3.20 mm, 注塑	270	--	--	290	--	J/m	ASTM D256
23°C, 6.40 mm	--	--	200	--	140	J/m	ASTM D256
23°C, 6.40 mm, 注塑	250	--	--	270	--	J/m	ASTM D256
-30°C, 注塑	--	9.0	--	--	--	kJ/m ²	ISO 180/A
-30°C, 注塑 ¹²	8.0	--	--	8.0	--	kJ/m ²	ISO 180/1A
-30°C	--	--	11	--	7.0	kJ/m ²	ISO 180/1A
23°C, 注塑	--	19	--	--	--	kJ/m ²	ISO 180/A
23°C, 注塑 ¹²	23	--	--	23	--	kJ/m ²	ISO 180/1A
23°C	--	--	21	--	13	kJ/m ²	ISO 180/1A
硬度	LG ABS XR401	MAGNUM™ 3453	POLYLAC® PA-777B	LG ABS ER461	POLYLAC® PA-777D	单位制	测试方法
洛氏硬度							
R 级, 23°C, 注塑	110	--	--	110	--		ASTM D785
R 级	--	--	112	--	115		ASTM D785
R 计秤	112	--	--	112	--		ISO 2039-2



热性能	LG ABS XR401	MAGNUM™ 3453	POLYLAC® PA-777B	LG ABS ER461	POLYLAC® PA-777D	单位制	测试方法
载荷下热变形温度							
1.8 MPa, 未退火	--	--	97.0	--	105	°C	ASTM D648
1.8 MPa, 未退火, 6.40 mm, 注塑 ¹³	97.0	--	--	93.0	--	°C	ASTM D648
1.8 MPa, 未退火	--	--	86.0	--	97.0	°C	ISO 75-2/A
1.8 MPa, 未退火, 4.00 mm ¹⁴	88.0	--	--	85.0	--	°C	ISO 75-2/Af
1.8 MPa, 退火	--	--	107	--	115	°C	ASTM D648
1.8 MPa, 退火	--	100	106	--	117	°C	ISO 75-2/A
维卡软化温度							
--	--	--	115	--	125	°C	ASTM D1525 ¹⁵
--	106	--	--	100	--	°C	ASTM D1525 ¹⁶
--	106	97.0	106	101	117	°C	ISO 306/B50
--	--	--	113	--	124	°C	ISO 306/A50
线形热膨胀系数							ISO 11359-2
流动	--	--	8.4E-5	--	8.5E-5	cm/cm/°C	
流动 : 23 到 60°C	8.0E-5 到 9.0E-5	--	--	8.0E-5 到 9.0E-5	--	cm/cm/°C	
垂直 : 23 到 60°C	8.0E-5 到 9.0E-5	--	--	8.0E-5 到 9.0E-5	--	cm/cm/°C	
RTI Elec	60.0	--	--	60.0	--	°C	UL 746
RTI Imp	60.0	--	--	60.0	--	°C	UL 746
RTI	60.0	--	--	60.0	--	°C	UL 746
电气性能	LG ABS XR401	MAGNUM™ 3453	POLYLAC® PA-777B	LG ABS ER461	POLYLAC® PA-777D	单位制	测试方法
体积电阻率 (23°C)	1.5E+3	--	--	--	--	ohms-cm	ASTM D257
介电强度 (23°C, 1.00 mm)	33	--	--	--	--	kV/mm	ASTM D149
耐电弧性	PLC 6	--	--	--	--		ASTM D495
可燃性	LG ABS XR401	MAGNUM™ 3453	POLYLAC® PA-777B	LG ABS ER461	POLYLAC® PA-777D	单位制	测试方法
燃烧速率 ¹⁷ (2.00 mm)	--	55	--	--	--	mm/min	ISO 3795
UL 阻燃等级							UL 94
1.5 mm	HB	--	HB	HB	HB		
1.5 mm ¹⁷	--	HB	--	--	--		
3.0 mm	HB	--	--	HB	--		
3.0 mm ¹⁷	--	HB	--	--	--		

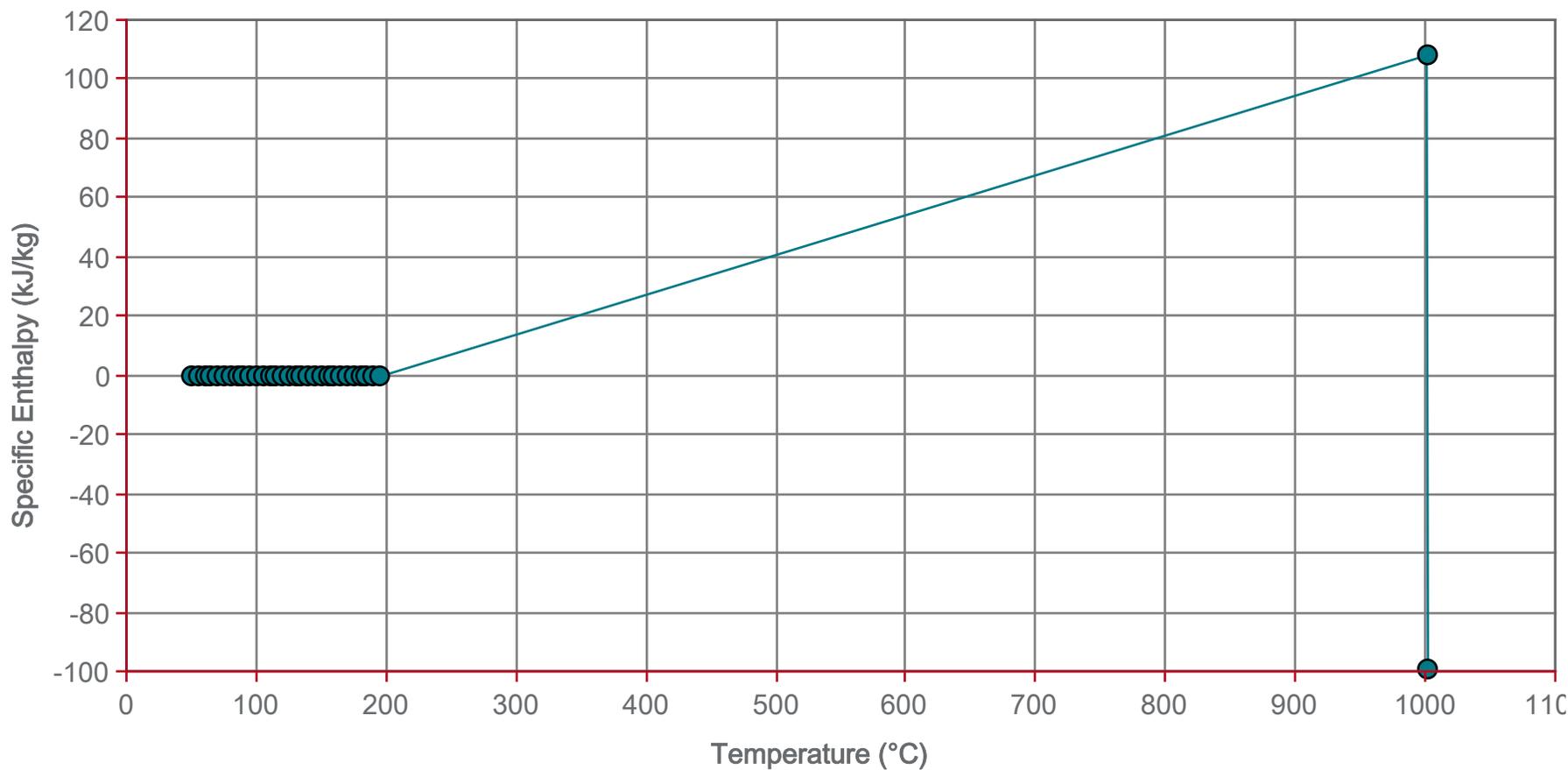


补充信息	LG ABS XR401	MAGNUM™ 3453	POLYLAC® PA-777B	LG ABS ER461	POLYLAC® PA-777D	单位制	测试方法
碳排放 ¹⁷	--	25.0	--	--	--	µg/g	VDA 277
雾化 ¹⁷	--	97	--	--	--	%	ISO 294-4

注射	LG ABS XR401	MAGNUM™ 3453	POLYLAC® PA-777B	LG ABS ER461	POLYLAC® PA-777D	单位制
干燥温度	80 到 90	--	90 到 95	80 到 90	90 到 105	°C
干燥时间	3.0 到 4.0	--	3.0	3.0 到 4.0	3.0	hr
建议的最大水分含量	0.050	--	--	0.050	--	%
料筒后部温度	180 到 210	--	220 到 240	180 到 210	220 到 240	°C
料筒中部温度	210 到 230	--	230 到 250	210 到 230	230 到 250	°C
料筒前部温度	230 到 240	--	230 到 250	230 到 240	230 到 250	°C
射嘴温度	230 到 240	--	--	230 到 240	--	°C
加工 (熔体) 温度	230 到 260	--	--	220 到 260	--	°C
模具温度	40 到 60	--	30 到 70	40 到 60	30 到 70	°C
注塑压力	--	--	4.90 到 6.86	--	4.90 到 6.86	MPa
保压	--	--	3.92 到 5.88	--	3.92 到 5.88	MPa
背压	--	--	0.490 到 1.47	--	0.490 到 1.47	MPa
-- ¹⁸	0.981 到 2.94	--	--	0.981 到 2.94	--	MPa



Specific Heat vs. Temperature (ISO 11403-2)



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 23°C
- ⁵ Injection molded
- ⁶ 50 mm/min
- ⁷ 6.0 mm/min
- ⁸ 2.8 mm/min
- ⁹ 15 mm/min
- ¹⁰ 2.0 mm/min
- ¹¹ 3 点
- ¹² 4mm
- ¹³ Edgewise
- ¹⁴ Injection Molded
- ¹⁵ 速率 A (50°C/h), 压力 1 (10N)
- ¹⁶ 速率 A (50°C/h), 载荷 2 (50N)
- ¹⁷ 这个额定值并非为了反映这种或任何其他材料在实际起火条件下造成的危险。
- ¹⁸ Hydraulic Type



购买地点

供应商	
LG ABS XR401	LG Chem Ltd. Englewood Cliffs, NJ USA 电话: 201-816-2302 Web: http://www.chemwide.com/
MAGNUM™ 3453	Trinseo , USA 电话: 888-789-7661 Web: http://www.trinseo.com/
POLYLAC® PA-777B	CHI MEI CORPORATION Tainan County, Taiwan 电话: +886-6-266-3000 Web: http://www.chimeicorp.com/
LG ABS ER461	LG Chem Ltd. Englewood Cliffs, NJ USA 电话: 201-816-2302 Web: http://www.chemwide.com/
POLYLAC® PA-777D	CHI MEI CORPORATION Tainan County, Taiwan 电话: +886-6-266-3000 Web: http://www.chimeicorp.com/



分销商

LG ABS XR401

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

电话: +49-40-32008-0

Web: <http://www.biesterfeld-plastic.com/>

供货地区: Algeria, Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Egypt, France, Germany, Greece, Hungary, Ireland, Italy, Libyan Arab Jamahiriya, Luxembourg, Mauritania, Morocco, Netherlands, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Switzerland, Turkey, United Kingdom

CCC Plastics

电话: 800-465-6917

Web: <https://www.ccc-group.com/>

供货地区: Canada

Channel Prime Alliance

电话: 800-247-8038

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

供货地区: North America

Chase Plastic Services, Inc.*Chase Plastics Services is a North American distributor with representatives throughout the region. Please find your rep here: <http://www.chaseplastics.com/contact/locations>*

电话: 800-232-4273

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

供货地区: North America

Distrupol Ltd*Distrupol Ltd is a Pan European distribution company. Contact Distrupol Ltd for availability of individual products by country.*

电话: 08452003040

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

供货地区: Belgium, Denmark, Finland, Luxembourg, Netherlands, Norway, Sweden

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

电话: +33-3-8920-1380

Web: <http://www.polymix.eu/>

供货地区: Belgium, Croatia, France, Luxembourg, Netherlands, Romania, Serbia, Slovenia, Spain, Tunisia

Resin Resource, Inc.

电话: 877-652-3431

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

供货地区: North America

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

MAGNUM™ 3453

Avient Distribution (formerly PolyOne Distribution)

Avient Distribution is a global distribution company. Contact Avient Distribution for availability of individual products by country.

电话: +1-888-502-0951 (USA); +86-21-6028-4805 (China)

Web: <https://www.avientdistribution.com/>

供货地区: Global

Channel Prime Alliance

电话: 800-247-8038

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

供货地区: North America

Entec Polymers

电话: 800-375-5440

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

供货地区: North America

Nexeo Plastics - Europe

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

电话: +34-93-480-9125

Web: <https://www.nexeoplastics.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

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

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

Tex-Co Resin Distribution, Inc.

电话: 877-908-3926

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

供货地区: North America



POLYLAC® PA-777B

A. Westensee und Partner Rohstoff GmbH

电话: +49-4171-8812-0
Web: <http://www.awp-rohstoffe.de/>
供货地区: Germany

AMP FRANCE

电话: +33-3-8920-1390
Web: <http://www.amp.fr/>
供货地区: France

AMP TUNISIA

电话: +216-52-27-21-73
Web: <http://www.amp.fr/>
供货地区: Tunisia

Biesterfeld

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

电话: +49-40-32008-0
Web: <http://www.biesterfeld-plastic.com/>
供货地区: Algeria, Austria, Belgium, Bosnia and Herzegovina, Brazil, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Egypt, Faroe Islands, Finland, France, Germany, Greece, Hungary, Iceland, Italy, Libyan Arab Jamahiriya, Luxembourg, Mauritania, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Tunisia, Turkey

Calsak Polymers

电话: 800-743-2595
Web: <http://www.calsak.com/>
供货地区: North America

Distrupol Ltd

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

电话: 08452003040
Web: <http://www.distrupol.com/>
供货地区: Ireland, United Kingdom

Entec Polymers

电话: 800-375-5440
Web: <http://www.entecpolymers.com/>
供货地区: North America

M. Holland Canada Company

电话: 905-665-1168
Web: <http://www.mholland.com/>
供货地区: Canada

M. Holland Company

电话: 855-497-1403
Web: <http://www.mholland.com/>
供货地区: Mexico, United States

LG ABS ER461

The Materials Group

电话: 616-863-6046
Web: <http://thematerialsgroup.com/>
供货地区: North America

Biesterfeld

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电话: +49-40-32008-0
Web: <http://www.biesterfeld-plastic.com/>
供货地区: Algeria, Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Egypt, France, Germany, Greece, Hungary, Ireland, Italy, Libyan Arab Jamahiriya, Luxembourg, Mauritania, Morocco, Netherlands, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Switzerland, Turkey, United Kingdom

CCC Plastics

电话: 800-465-6917
Web: <https://www.ccc-group.com/>
供货地区: Canada

Channel Prime Alliance

电话: 800-247-8038
Web: <http://www.channelpa.com/>
供货地区: North America

Chase Plastic Services, Inc.

Chase Plastics Services is a North American distributor with representatives throughout the region. Please find your rep here: <http://www.chaseplastics.com/contact/locations>
电话: 800-232-4273
Web: <http://www.chaseplastics.com/>
供货地区: North America

Distrupol Ltd

Distrupol Ltd is a Pan European distribution company. Contact Distrupol Ltd for availability of individual products by country.
电话: 08452003040
Web: <http://www.distrupol.com/>
供货地区: Belgium, Denmark, Finland, Luxembourg, Netherlands, Norway, Sweden

POLYMIX

POLYMIX is a Pan European distribution company. Contact POLYMIX for availability of individual products by country.
电话: +33-3-8920-1380
Web: <http://www.polymix.eu/>
供货地区: Belgium, Croatia, France, Luxembourg, Netherlands, Romania, Serbia, Slovenia, Spain, Tunisia

Resin Resource, Inc.

电话: 877-652-3431
Web: <http://www.resinresourceinc.com/>
供货地区: North America

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

POLYLAC® PA-777D

A. Westensee und Partner Rohstoff GmbH

电话: +49-4171-8812-0

Web: <http://www.awp-rohstoffe.de/>

供货地区: Germany

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电话: +33-3-8920-1390

Web: <http://www.amp.fr/>

供货地区: France

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Web: <http://www.amp.fr/>

供货地区: Tunisia

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Web: <http://www.biesterfeld-plastic.com/>

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

供货地区: North America

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

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

供货地区: North America



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供货地区: Canada

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电话: 855-497-1403

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

供货地区: Mexico, United States

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