

Technical Data

| 产品说明 | | | | | |
|------------------|--|----------------|----------------|-----------------------|--------------|
| ELIX™ ABS H604 | ELIX ABS H604 Improved heat, chemical and dynamical resistance. ISO Shortname: ISO 2580-1 -ABS 0, MG, 105-08-16-25 | | | | |
| LG ABS XR401 | Description • Heat Resistance Applications • Electric & Electronic Housing (Frame etc), • Automotives Interior & Exterior Housing (lamp housing etc) | | | | |
| LG ABS ER461 | Description • Heat Resistance Application • Automotives Interior & Exterior Housing (Garnish etc) | | | | |
| POLYLAC® PA-777B | Medium heat, High impact 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。 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。 | | | | |
| MAGNUM™ 3453 | 应用领域： • 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 | | | | |
| 总览 | ELIX™ ABS H604 | LG ABS XR401 | LG ABS ER461 | POLYLAC® PA-777B | MAGNUM™ 3453 |
| 生产商/供应商 | • ELIX Polymers, S. L. | • LG Chem Ltd. | • LG Chem Ltd. | • CHI MEI CORPORATION | • Trinseo |
| 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 | ELIX™ ABS H604 | LG ABS XR401 | LG ABS ER461 | POLYLAC® PA-777B | MAGNUM™ 3453 |
|--------------------|--|---|---|---|--|
| 资料 ¹ | <ul style="list-style-type: none"> Technical Datasheet (English) | <ul style="list-style-type: none"> 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 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 黄卡 ² | <ul style="list-style-type: none"> E350602-101011294 | <ul style="list-style-type: none"> E248280-462768 E67171-248410 | <ul style="list-style-type: none"> E67171-248359 | <ul style="list-style-type: none"> E56070-245744 | <ul style="list-style-type: none"> E162447-238263 E73656-249571 |
| 搜索 UL 黄卡 | <ul style="list-style-type: none"> ELIX Polymers, S. L. ELIX™ ABS | <ul style="list-style-type: none"> LG Chem Ltd. LG ABS | <ul style="list-style-type: none"> LG Chem Ltd. LG ABS | <ul style="list-style-type: none"> CHI MEI CORPORATION POLYLAC® | <ul style="list-style-type: none"> Trinseo MAGNUM™ |
| 供货地区 | <ul style="list-style-type: none"> 北美洲 欧洲 | <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 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 | <ul style="list-style-type: none"> 北美洲 欧洲 |
| 特性 | <ul style="list-style-type: none"> Good Heat Resistance 低挥发 可喷涂的 耐化学品性能, 良好 气味低到无 | <ul style="list-style-type: none"> Good Heat Resistance | <ul style="list-style-type: none"> Good Heat Resistance | <ul style="list-style-type: none"> 高抗撞击性 耐热性, 中等 | <ul style="list-style-type: none"> 高抗撞击性 良好的加工性能 良好的流动性 |
| 用途 | <ul style="list-style-type: none"> 汽车领域的应用 汽车内部零件 汽车外部零件 | <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"> 汽车内部零件 汽车外部零件 外壳 | -- | <ul style="list-style-type: none"> 电气/电子应用领域 电器用具 通用 玩具 |
| RoHS 合规性 | -- | -- | -- | <ul style="list-style-type: none"> RoHS 合规 | -- |



| 总览 | ELIX™ ABS H604 | LG ABS XR401 | LG ABS ER461 | POLYLAC® PA-777B | MAGNUM™ 3453 |
|-------------------|--|--|---|---|--|
| 汽车要求 | <ul style="list-style-type: none"> • BMW GS 93016 • FIAT ABS 95.150 • FORD WSS-M4D483-C1 • FORD WSS-M4D483-D1 • FORD WSS-M4D827-A3 • FORD WSS-M4D827-C1 • GM GMW15572P-ABS-T1 • GM GMW15572P-ABS-T2 Color: 901510 Black • PSA Peugeot-Citroën RMA ABS-0013 + 0020 • RENAULT PMR 2017 | <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"> • HYUNDAI MS225-18 T6 | <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"> • 粒子 |
| 形式 | • 粒子 | -- | -- | -- | • 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) | -- | -- | -- |
| 部件标识代码 (ISO 2580) | • ABS 0, MG, 105-08-16-25 | -- | -- | -- | -- |
| 树脂 ID (ISO 1043) | -- | -- | -- | • >ABS< | -- |

| 物理性能 | ELIX™ ABS H604 | LG ABS XR401 | LG ABS ER461 | POLYLAC® PA-777B | MAGNUM™ 3453 | 单位制 | 测试方法 |
|------------------------------|----------------|--------------|--------------|------------------|--------------|------------------------|------------|
| 密度 / 比重 | | | | | | | |
| -- ⁴ | -- | 1.05 | 1.05 | 1.03 | -- | g/cm ³ | ASTM D792 |
| 23°C | -- | 1.05 | 1.05 | 1.03 | -- | g/cm ³ | ISO 1183 |
| 25°C | 1.04 | -- | -- | -- | -- | 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 | 14 | 7.5 | -- | g/10 min | ASTM D1238 |
| 230°C/3.8 kg | 4.0 | -- | -- | -- | -- | 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 | 9.0 | 14 | 8.5 | -- | cm ³ /10min | ISO 1133 |



| 物理性能 | ELIX™ ABS H604 | LG ABS XR401 | LG ABS ER461 | POLYLAC® PA-777B | MAGNUM™ 3453 | 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 | -- | % | ISO 294-4 |
| 垂直 ⁵ | 0.50 到 0.70 | -- | -- | -- | -- | % | ISO 294-4 |
| 流动 | -- | -- | -- | -- | 0.40 到 0.70 | % | ISO 294-4 |
| 流动 ⁵ | 0.50 到 0.70 | -- | -- | -- | -- | % | ISO 294-4 |
| 流动 : 23°C, 3.20 mm ⁶ | -- | 0.40 到 0.70 | 0.40 到 0.70 | -- | -- | % | ISO 294-4 |
| 机械性能 | ELIX™ ABS H604 | LG ABS XR401 | LG ABS ER461 | POLYLAC® PA-777B | MAGNUM™ 3453 | 单位制 | 测试方法 |
| 拉伸模量 | | | | | | | |
| -- ⁷ | 2400 | -- | -- | -- | -- | MPa | ASTM D638 |
| 23°C, 3.20 mm, 注塑 ⁸ | -- | 2400 | 2400 | -- | -- | MPa | ASTM D638 |
| -- | 2400 | -- | -- | -- | -- | MPa | ISO 527-2/1 |
| 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 ⁹ | -- | -- | -- | 43.0 | -- | MPa | ASTM D638 |
| 屈服 ⁷ | 42.1 | -- | -- | -- | -- | MPa | ASTM D638 |
| 屈服, 23°C, 3.20 mm, 注塑 ⁸ | -- | 49.0 | 49.0 | -- | -- | MPa | ASTM D638 |
| 屈服 | 45.0 | -- | -- | 44.0 | -- | 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 | -- | MPa | ISO 527-2/50 |
| 拉伸应变 | | | | | | | |
| 屈服 | 2.6 | -- | -- | -- | -- | % | ISO 527-2/50 |
| 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 | -- | -- | -- | -- | % | ASTM D638 |
| 断裂 ⁹ | -- | -- | -- | 15 | -- | % | ASTM D638 |
| 断裂, 23°C, 3.20 mm, 注塑 ⁸ | -- | > 15 | 20 | -- | -- | % | ASTM D638 |
| 断裂 | > 15 | -- | -- | 40 | -- | % | ISO 527-2/50 |
| 断裂, 23°C, 4.00 mm, 注塑 | -- | > 15 | > 20 | -- | -- | % | ISO 527-2/50 |



| 机械性能 | ELIX™ ABS H604 | LG ABS XR401 | LG ABS ER461 | POLYLAC® PA-777B | MAGNUM™ 3453 | 单位制 | 测试方法 |
|---------------------------------|-------------------|-----------------|-----------------|---------------------|-----------------|-------------------|-------------|
| 弯曲模量 | | | | | | | |
| -- 10 | -- | -- | -- | 2140 | -- | MPa | ASTM D790 |
| -- 11 | 2400 | -- | -- | -- | -- | MPa | ASTM D790 |
| 23°C, 3.20 mm, 注塑 ¹² | -- | 2550 | 2550 | -- | -- | MPa | ASTM D790 |
| -- 13 | 2400 | -- | -- | 2200 | -- | MPa | ISO 178 |
| 3.20 mm, 注塑 ^{13, 14} | -- | -- | -- | -- | 2300 | MPa | ISO 178 |
| 23°C, 2.00 mm, 注塑 ¹³ | -- | -- | 2350 | -- | -- | MPa | ISO 178 |
| 23°C, 4.00 mm, 注塑 ¹³ | -- | 2350 | -- | -- | -- | MPa | ISO 178 |
| 弯曲强度 | | | | | | | |
| -- 10 | -- | -- | -- | 63.4 | -- | MPa | ASTM D790 |
| 23°C, 3.20 mm, 注塑 ¹² | -- | 79.0 | 78.0 | -- | -- | MPa | ASTM D790 |
| -- 13 | 70.0 | -- | -- | 67.0 | -- | MPa | ISO 178 |
| 3.20 mm, 注塑 ^{13, 14} | -- | -- | -- | -- | 68.0 | MPa | ISO 178 |
| 23°C, 4.00 mm, 注塑 ¹³ | -- | 75.0 | 73.0 | -- | -- | MPa | ISO 178 |
| 冲击性能 | | | | | | | |
| 简支梁缺口冲击强度 | | | | | | | |
| -30°C | -- | -- | -- | 11 | -- | kJ/m ² | ISO 179 |
| -30°C | 11 | -- | -- | -- | -- | kJ/m ² | ISO 179/1eA |
| -30°C, 注塑 ¹⁵ | -- | 9.0 | 9.0 | -- | -- | kJ/m ² | ISO 179/1eA |
| -30°C, 注塑 | -- | -- | -- | -- | 10 | kJ/m ² | ISO 179/1eA |
| 23°C | -- | -- | -- | 22 | -- | kJ/m ² | ISO 179 |
| 23°C | 20 | -- | -- | -- | -- | kJ/m ² | ISO 179/1eA |
| 23°C, 注塑 ¹⁵ | -- | 23 | 25 | -- | -- | kJ/m ² | ISO 179/1eA |
| 23°C, 注塑 | -- | -- | -- | -- | 20 | kJ/m ² | ISO 179/1eA |
| 简支梁无缺口冲击强度 | | | | | | | |
| -30°C | 100 | -- | -- | -- | -- | kJ/m ² | ISO 179/1eU |
| 23°C | 130 | -- | -- | -- | -- | kJ/m ² | ISO 179/1eU |



| 冲击性能 | ELIX™ ABS H604 | LG ABS XR401 | LG ABS ER461 | POLYLAC® PA-777B | MAGNUM™ 3453 | 单位制 | 测试方法 |
|---|---------------------------|-------------------------|-------------------------|-----------------------------|-------------------------|------------|-------------|
| 悬壁梁缺口冲击强度 | | | | | | | |
| -30°C, 3.20 mm | 140 | -- | -- | -- | -- | J/m | ASTM D256 |
| -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 | 270 | -- | -- | 230 | -- | J/m | ASTM D256 |
| 23°C, 6.40 mm | 200 | -- | -- | 200 | -- | J/m | ASTM D256 |
| 23°C, 3.20 mm, 注塑 | -- | 270 | 290 | -- | -- | J/m | ASTM D256 |
| 23°C, 6.40 mm, 注塑 | -- | 250 | 270 | -- | -- | J/m | ASTM D256 |
| -30°C, 注塑 | -- | -- | -- | -- | 9.0 | kJ/m² | ISO 180/A |
| -30°C, 注塑 ¹⁵ | -- | 8.0 | 8.0 | -- | -- | kJ/m² | ISO 180/1A |
| -30°C | 12 | -- | -- | 11 | -- | kJ/m² | ISO 180/1A |
| 23°C, 注塑 | -- | -- | -- | -- | 19 | kJ/m² | ISO 180/A |
| 23°C, 注塑 ¹⁵ | -- | 23 | 23 | -- | -- | kJ/m² | ISO 180/1A |
| 23°C | 21 | -- | -- | 21 | -- | kJ/m² | ISO 180/1A |
| 硬度 | ELIX™ ABS H604 | LG ABS XR401 | LG ABS ER461 | POLYLAC® PA-777B | MAGNUM™ 3453 | 单位制 | 测试方法 |
| 洛氏硬度 | | | | | | | |
| R 级, 23°C, 注塑 | -- | 110 | 110 | -- | -- | | ASTM D785 |
| R 级 | -- | -- | -- | 112 | -- | | ASTM D785 |
| R 计秤 | -- | 112 | 112 | -- | -- | | ISO 2039-2 |
| 球压硬度 | 102 | -- | -- | -- | -- | MPa | ISO 2039-1 |
| 热性能 | ELIX™ ABS H604 | LG ABS XR401 | LG ABS ER461 | POLYLAC® PA-777B | MAGNUM™ 3453 | 单位制 | 测试方法 |
| 热变形温度 | | | | | | | |
| 0.45 MPa, 退火 | 102 | -- | -- | -- | -- | °C | ISO 75-2/B |
| 1.8 MPa, 未退火 | -- | -- | -- | 97.0 | -- | °C | ASTM D648 |
| 1.8 MPa, 未退火, 6.40 mm, 注塑 ¹⁶ | -- | 97.0 | 93.0 | -- | -- | °C | ASTM D648 |
| 1.8 MPa, 未退火 | -- | -- | -- | 86.0 | -- | °C | ISO 75-2/A |
| 1.8 MPa, 未退火, 4.00 mm ¹⁷ | -- | 88.0 | 85.0 | -- | -- | °C | ISO 75-2/Af |
| 1.8 MPa, 退火 | -- | -- | -- | 107 | -- | °C | ASTM D648 |
| 1.8 MPa, 退火 | 98.0 | -- | -- | 106 | 100 | °C | ISO 75-2/A |



| 热性能 | ELIX™ ABS H604 | LG ABS XR401 | LG ABS ER461 | POLYLAC® PA-777B | MAGNUM™ 3453 | 单位制 | 测试方法 |
|-----------------|-------------------|--------------------|--------------------|---------------------|-----------------|----------|--------------------------|
| 维卡软化温度 | | | | | | | |
| -- | -- | -- | -- | 115 | -- | °C | ASTM D1525 ¹⁸ |
| -- | 102 | 106 | 100 | -- | -- | °C | ASTM D1525 ¹⁹ |
| -- | 104 | -- | -- | -- | -- | °C | ISO 306/B120 |
| -- | 102 | 106 | 101 | 106 | 97.0 | °C | ISO 306/B50 |
| -- | -- | -- | -- | 113 | -- | °C | ISO 306/A50 |
| 线形热膨胀系数 | | | | | | | ISO 11359-2 |
| 流动 | -- | -- | -- | 8.4E-5 | -- | cm/cm/°C | |
| 流动：23 到 55°C | 8.0E-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 | ELIX™ ABS H604 | LG ABS XR401 | LG ABS ER461 | POLYLAC® PA-777B | MAGNUM™ 3453 | 单位制 | 测试方法 |
| 表面电阻率 | 1.0E+16 | -- | -- | -- | -- | ohms | IEC 60093 |
| 体积电阻率 | | | | | | | |
| 23°C | -- | 1.5E+3 | -- | -- | -- | ohms-cm | ASTM D257 |
| -- | 1.0E+16 | -- | -- | -- | -- | ohms-cm | IEC 60093 |
| 介电强度 | | | | | | | |
| 23°C, 1.00 mm | -- | 33 | -- | -- | -- | kV/mm | ASTM D149 |
| 1.00 mm | 31 | -- | -- | -- | -- | kV/mm | IEC 60243-1 |
| 相对电容率 | | | | | | | IEC 60250 |
| 100 Hz | 3.00 | -- | -- | -- | -- | | |
| 1 MHz | 2.90 | -- | -- | -- | -- | | |
| 耗散因数 | | | | | | | IEC 60250 |
| 100 Hz | 5.0E-3 | -- | -- | -- | -- | | |
| 1 MHz | 9.0E-3 | -- | -- | -- | -- | | |
| 耐电弧性 | -- | PLC 6 | -- | -- | -- | | ASTM D495 |
| 漏电起痕指数 (解决方案 A) | 600 | -- | -- | -- | -- | V | IEC 60112 |

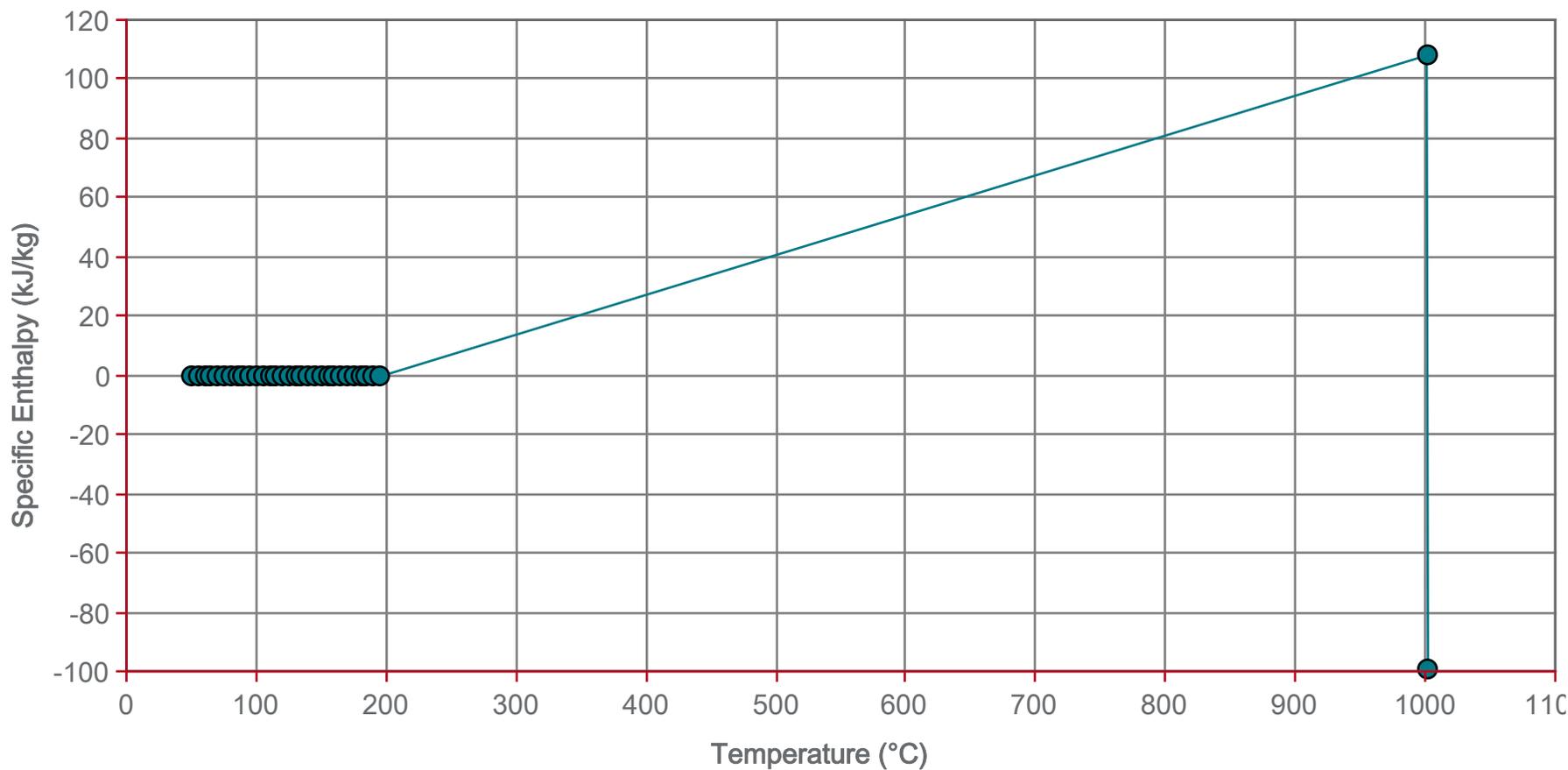


| 可燃性 | ELIX™ ABS H604 | LG ABS XR401 | LG ABS ER461 | POLYLAC® PA-777B | MAGNUM™ 3453 | 单位制 | 测试方法 |
|-----------------------|-------------------|-----------------|-----------------|---------------------|-----------------|--------|----------------|
| 燃烧速率 | | | | | | | ISO 3795 |
| 2.00 mm ²⁰ | -- | -- | -- | -- | 55 | mm/min | |
| 2.00 mm ²¹ | 60 | -- | -- | -- | -- | mm/min | |
| UL 阻燃等级 | | | | | | | UL 94 |
| 1.5 mm | -- | HB | HB | HB | -- | | |
| 1.5 mm ²⁰ | -- | -- | -- | -- | HB | | |
| 1.6 mm | HB | -- | -- | -- | -- | | |
| 3.0 mm | -- | HB | HB | -- | -- | | |
| 3.0 mm ²⁰ | -- | -- | -- | -- | HB | | |
| 灼热丝易燃指数 (2.0 mm) | 700 | -- | -- | -- | -- | °C | IEC 60695-2-12 |
| 碳排放 ²⁰ | -- | -- | -- | -- | 25.0 | µg/g | VDA 277 |
| 雾化 ²⁰ | -- | -- | -- | -- | 97 | % | ISO 294-4 |

| 注射 | ELIX™ ABS H604 | LG ABS XR401 | LG ABS ER461 | POLYLAC® PA-777B | MAGNUM™ 3453 | 单位制 | 测试方法 |
|--------------------|-------------------|-----------------|-----------------|---------------------|-----------------|-------|---------|
| 干燥温度 | -- | 80 到 90 | 80 到 90 | 90 到 95 | -- | °C | |
| 干燥时间 | -- | 3.0 到 4.0 | 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 | 180 到 210 | 220 到 240 | -- | °C | |
| 料筒中部温度 | -- | 210 到 230 | 210 到 230 | 230 到 250 | -- | °C | |
| 料筒前部温度 | -- | 230 到 240 | 230 到 240 | 230 到 250 | -- | °C | |
| 射嘴温度 | -- | 230 到 240 | 230 到 240 | -- | -- | °C | |
| 加工 (熔体) 温度 | 240 | 230 到 260 | 220 到 260 | -- | -- | °C | |
| 模具温度 | 70 | 40 到 60 | 40 到 60 | 30 到 70 | -- | °C | |
| 注塑压力 | -- | -- | -- | 4.90 到 6.86 | -- | MPa | |
| 保压 | -- | -- | -- | 3.92 到 5.88 | -- | MPa | |
| 背压 | | | | | | | |
| -- | -- | -- | -- | 0.490 到 1.47 | -- | MPa | |
| -- ²² | -- | 0.981 到 2.94 | 0.981 到 2.94 | -- | -- | MPa | |
| Injection Velocity | 14 | -- | -- | -- | -- | m/min | ISO 294 |



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 60x60x2 mm
- ⁶ Injection molded
- ⁷ 5.0 mm/min
- ⁸ 50 mm/min
- ⁹ 6.0 mm/min
- ¹⁰ 2.8 mm/min
- ¹¹ 1.3 mm/min
- ¹² 15 mm/min
- ¹³ 2.0 mm/min
- ¹⁴ 3 点
- ¹⁵ 4mm
- ¹⁶ Edgewise
- ¹⁷ Injection Molded
- ¹⁸ 速率 A (50°C/h), 压力 1 (10N)
- ¹⁹ 速率 A (50°C/h), 载荷 2 (50N)
- ²⁰ 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。
- ²¹ US-FMVSS
- ²² Hydraulic Type



购买地点

| 供应商 | |
|------------------|--|
| ELIX™ ABS H604 | ELIX Polymers, S. L. Tarragona, Spain 电话: +34-977-835438 (EMEA); +1-305-699-3130 (Americas) Web: http://www.elix-polymers.com/ |
| LG ABS XR401 | LG Chem Ltd. Englewood Cliffs, NJ USA 电话: 201-816-2302 Web: http://www.chemwide.com/ |
| LG ABS ER461 | LG Chem Ltd. Englewood Cliffs, NJ USA 电话: 201-816-2302 Web: http://www.chemwide.com/ |
| POLYLAC® PA-777B | CHI MEI CORPORATION Tainan County, Taiwan 电话: +886-6-266-3000 Web: http://www.chimeicorp.com/ |
| MAGNUM™ 3453 | Trinseo , USA 电话: 888-789-7661 Web: http://www.trinseo.com/ |



分销商

ELIX™ ABS H604

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

General Polymers Thermoplastic Materials

电话: 248-762-7676
 Web: <https://www.gp-materials.com/our-partners>
 供货地区: North America

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

LG ABS ER461

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

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

The Materials Group

电话: 616-863-6046

Web: <http://thematerialsgroup.com/>

供货地区: North America

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

