

Petrothene® LB500301

聚乙烯

LyondellBasell Industries

Technical Data

Product Description

Petrothene LB500301 is a polyethylene resin that exhibits excellent environmental stress crack resistance and is selected by customers for use in heavy duty bottles, such as those containing detergent and chemicals.

General

| | |
|---------------------------|-------------------------------------|
| Features | • Good ESCR (Stress Crack Resist.) |
| Uses | • 包装 • 工业应用 • 瓶子 • 硬包装 |
| Automotive Specifications | • GM GMW16426P-PE-T2 Color: Natural |
| Processing Method | • 挤出吹塑成型 |

| Physical | 额定值 单位制 | 测试方法 |
|---|-------------------------|-------------|
| Density ³ | 0.949 g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 0.30 g/10 min | ASTM D1238 |
| Environmental Stress-Cracking Resistance (ESCR) 100% Igepal, F50 | 75.0 hr | ASTM D1693B |
| Mechanical | 额定值 单位制 | 测试方法 |
| Tensile Strength (屈服) | 26.2 MPa | ASTM D638 |
| Tensile Elongation (断裂) | > 600 % | ASTM D638 |
| Flexural Modulus - 1% 正割 | 1170 MPa | ASTM D790 |
| Impact | 额定值 单位制 | 测试方法 |
| Tensile Impact Strength | 252 kJ/m ² | ASTM D1822 |
| Hardness | 额定值 单位制 | 测试方法 |
| Durometer Hardness (邵氏 D) | 65 | ASTM D2240 |
| Thermal | 额定值 单位制 | 测试方法 |
| Deflection Temperature Under Load 0.45 MPa, 未退火 | 72.0 °C | ASTM D648 |
| Brittleness Temperature | < -76.1 °C | ASTM D746 |
| Vicat Softening Temperature | 122 °C | ASTM D1525 |

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 一般属性：这些不能被视为规格。

³ 23°C