

Daelim Po1y® TR418BL

High Density Polyethylene
DAELIM INDUSTRIAL CO., LTD.

Message:

Daelim Po1y®TR418BL is a high density polyethylene product. It is available in Europe or Asia Pacific. Daelim Po1y®TR418BL application areas include sheet and food contact applications.

Features include:

- High resistance to environmental stress fracture (ESCR)
- hexene comonomer
- Good processability
- Antioxidants

| General Information | | | |
|--|--|----------|-------------|
| Additive | Antioxidation | | |
| Features | High ESCR (Stress Cracking Resistance) | | |
| | hexene comonomer | | |
| | Antioxidation | | |
| | Workability, good | | |
| Uses | Sheet | | |
| Agency Ratings | FDA 21 CFR 177.1520 | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.947 | g/cm³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 0.23 | g/10 min | ASTM D1238 |
| Environmental Stress-Cracking Resistance (Molding, F0) | > 2000 | hr | ASTM D1693B |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Break, Compression Molded) | 39.2 | MPa | ASTM D638 |
| Tensile Elongation (Break, Compression Molded) | > 600 | % | ASTM D638 |
| Flexural Modulus (Compression Molded) | 637 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (-30°C, Compression Molded) | No Break | | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Vicat Softening Temperature | 123 | °C | ASTM D1525 |
| Peak Melting Temperature | 127 | °C | ASTM D3418 |
| Oxygen sensing time-Al Pan (200°C) | > 60 | min | ASTM D3895 |
| Extrusion | Nominal Value | Unit | |
| Melt Temperature | 190 - 220 | °C | |

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