

Daelim Po1y® LH-418

High Density Polyethylene

DAELIM INDUSTRIAL CO., LTD.

Message:

Daelim Po1y®LH-418 is a high density polyethylene product. It can be processed by injection molding and is available in the Asia-Pacific region. Daelim Po1y®LH-418 application fields include thin plates and films.

Features include:

High resistance to environmental stress fracture (ESCR)

hexene comonomer

Good processability

Impact resistance

Wear-resistant

| General Information | | | |
|---|---|-------------------|-------------|
| Features | Ultra-high impact resistance High ESCR (Stress Cracking Resistance) hexene comonomer Workability, good Durability | | |
| Uses | Geo Membranes Sheet | | |
| Forms | Particle | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.939 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 0.20 | g/10 min | ASTM D1238 |
| Environmental Stress-Cracking Resistance (F0) | > 3000 | hr | ASTM D1693B |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ¹ (Yield) | 18.6 | MPa | ASTM D638 |
| Tensile Elongation ² (Break) | 600 | % | ASTM D638 |
| Flexural Modulus | 686 | MPa | ASTM D790 |
| Thermal | Nominal Value | Unit | Test Method |
| Vicat Softening Temperature | 120 | °C | ASTM D1525 |
| Additional Information | | | |
| Tensile Elongation @ Brk, ASTM D638, 50 mm/min: >600%OIT, ASTM D3895, 200°C, Aluminum Pan: >40 minPENT, ASTM F1473, 80°C, 4.8 Mpa: >5000 hr | | | |
| Injection | Nominal Value | Unit | |
| Processing (Melt) Temp | 190 - 220 | °C | |
| NOTE | | | |

| | |
|----|-----------|
| 1. | 50 mm/min |
| 2. | 50 mm/min |

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

