

Daelim Po1y® LH-60180

High Density Polyethylene
DAELIM INDUSTRIAL CO., LTD.

Message:

Daelim Po1y®LH-60180 is a high density polyethylene product. It can be processed by injection molding and is available in the Asia-Pacific region. Daelim Po1y®LH-60180 application areas include packaging, home applications and food contact applications. Features include:
high gloss
Hard

| General Information | | | |
|---|----------------------------------|-------------------|-------------|
| Features | Rigidity, high | | |
| | Highlight | | |
| | Good liquidity | | |
| Uses | Thin wall packaging | | |
| | Household goods | | |
| Agency Ratings | ASTM D 1248, IV, Class A, Cat. 3 | | |
| | FDA 21 CFR 177.1520 | | |
| Forms | Particle | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.961 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 19 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow | 0.020 | % | ASTM D955 |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (R-Scale) | 60 | | ASTM D785 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 29.4 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 700 | % | ASTM D638 |
| Flexural Modulus | 1080 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 39 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Brittleness Temperature | -76.0 | °C | ASTM D746 |
| Additional Information | | | |
| Brittle Temperature, ASTM D-746: 700% | | | |
| Injection | Nominal Value | Unit | |
| Processing (Melt) Temp | 200 - 260 | °C | |

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