

Daelim Po1y® VL0001

Ethylene-based Plastomer
DAELIM INDUSTRIAL CO., LTD.

Message:

Daelim Po1y®VL0001 is a vinyl plastic product. It is available in Europe or Asia Pacific. Daelim Po1y®The application areas of VL0001 include movies, food contact applications and additives/masterbatches.
Features include:
Good sealing performance
Antiblock software
slide
processing aids
Antioxidants

| General Information | | | |
|-------------------------------------------|----------------------------------|-------------------|-------------|
| Additive | Processing aid | | |
| | Anti-caking agent | | |
| | Antioxidation | | |
| | slip agent | | |
| Features | Low temperature heat sealability | | |
| | smoothness | | |
| | Anti-caking property | | |
| | Antioxidation | | |
| | Good heat sealability | | |
| | Definition, high | | |
| | Good toughness | | |
| Uses | Films | | |
| | Plastic modification | | |
| Agency Ratings | FDA 21 CFR 177.1520 | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.900 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 1.0 | g/10 min | ASTM D1238 |
| Films | Nominal Value | Unit | Test Method |
| Tensile Strength | | | ASTM D882 |
| MD: Broken, 50 μm, blown film | 45.1 | MPa | ASTM D882 |
| TD: Broken, 50 μm, blown film | 44.1 | MPa | ASTM D882 |
| Tensile Elongation | | | ASTM D882 |
| MD: Broken, 50 μm, blown film | 590 | % | ASTM D882 |
| TD: Broken, 50 μm, blown film | 640 | % | ASTM D882 |
| Dart Drop Impact (50 μm, Blown Film) | > 930 | g | ASTM D1709B |

| Seal Initiation Temperature ¹ (50 µm, Blown Film) | 92.0 | °C | Internal method |
|--------------------------------------------------------------|----------------------|------|-----------------|
| Thermal | Nominal Value | Unit | Test Method |
| Vicat Softening Temperature | 86.0 | °C | ASTM D1525 |
| Peak Melting Temperature | 95.0 | °C | ASTM D3418 |
| Optical | Nominal Value | Unit | Test Method |
| Gloss (20°, 50.0 µm, Blown Film) | 112 | | ASTM D2457 |
| Haze (50.0 µm, Blown Film) | 3.2 | % | ASTM D1003 |
| Extrusion | Nominal Value | Unit | |
| Melt Temperature | 150 - 190 | °C | |
| NOTE | | | |
| 1. | HGT, 2.8 kg, 0.5 sec | | |

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