

Network Polymers HDPE 50 0355

High Density Polyethylene

Network Polymers, Inc.

Message:

Network Polymers HDPE 50 0355 is a High Density Polyethylene product. It can be processed by blow molding or extrusion and is available in North America.

| General Information | | | |
|--|-------------------------------------|-------------------|-------------|
| Processing Method | Blow Molding | | |
| | Extrusion | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.955 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) ¹ (190°C/2.16 kg) | 0.35 | g/10 min | ASTM D1238 |
| Environmental Stress-Cracking Resistance | | | |
| F50 | 45.0 | hr | ASTM D1693A |
| F50 | 35.0 | hr | ASTM D1693B |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ² (Yield) | 27.6 | MPa | ASTM D638 |
| Tensile Elongation ³ (Break) | > 600 | % | ASTM D638 |
| Flexural Modulus ⁴ | 1380 | MPa | ASTM D790B |
| Thermal | Nominal Value | Unit | Test Method |
| Brittleness Temperature | < -118 | °C | ASTM D746 |
| NOTE | | | |
| 1. | Procedure A | | |
| 2. | 51 mm/min | | |
| 3. | 51 mm/min | | |
| 4. | Method I (3 point load), 1.3 mm/min | | |

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