

Kostrate® EDGE HR

Thermoplastic

Plastic Selection Group, Inc.

Message:

Kostrate®EDGE HR is a thermoplastic product. It can be processed by extrusion or extrusion blow molding and is available in North America.

| General Information | | | |
|---|------------------------|-------------------|-------------|
| Features | Terpolymer | | |
| Processing Method | Extrusion | | |
| | Extrusion blow molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.03 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (200°C/5.0 kg) | 14 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow | 0.30 - 0.60 | % | ASTM D955 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D) | 74 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Break) | 34.5 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 45 | % | ASTM D638 |
| Flexural Modulus | 1860 | MPa | ASTM D790 |
| Flexural Strength (Yield) | 37.9 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Instrumented Dart Impact (3.18 mm) | > 3.39 | J | ASTM D3763 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.18 mm) | 82.2 | °C | ASTM D648 |
| Optical | Nominal Value | Unit | Test Method |
| Transmittance | 90.0 | % | ASTM D1003 |
| Haze | 1.0 | % | ASTM D1003 |
| Additional Information | Nominal Value | Unit | |
| Dishwasher Test | 3.0E+2 | Cycles | |

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