

Kostrate® EDGE YP

Thermoplastic

Plastic Selection Group, Inc.

Message:

Kostrate® EDGE YP is a Thermoplastic product. It can be processed by injection molding and is available in North America.

| General Information | | | |
|---|-------------------|-------------------|-------------|
| Features | Terpolymer | | |
| Processing Method | Injection 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) | 7.0 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow | 0.30 to 0.60 | % | ASTM D955 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D) | 70 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Break) | 41.4 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 60 | % | ASTM D638 |
| Flexural Modulus | 2230 | MPa | ASTM D790 |
| Flexural Strength (Yield) | 55.2 | 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) | 78.3 | °C | ASTM D648 |
| Optical | Nominal Value | Unit | Test Method |
| Transmittance | 89.0 | % | ASTM D1003 |
| Haze | 1.9 | % | ASTM D1003 |
| Additional Information | Nominal Value | Unit | |
| Dishwasher Test | 3.0E+2 to 5.0E+2 | Cycles | |

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