

RTP 100 HI

Polypropylene

RTP Company

Message:

High Impact

| General Information | | | |
|--|------------------------|-------------------|-------------|
| Features | High Impact Resistance | | |
| RoHS Compliance | Contact Manufacturer | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 0.910 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 4.0 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow (3.20 mm) | 1.5 to 2.0 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 1030 | MPa | ASTM D638 |
| Tensile Strength | 21.4 | MPa | ASTM D638 |
| Tensile Elongation (Yield) | > 10 | % | ASTM D638 |
| Flexural Modulus | 896 | MPa | ASTM D790 |
| Flexural Strength | 27.6 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (3.20 mm) | 750 | J/m | ASTM D256 |
| Unnotched Izod Impact (3.20 mm) | No Break | | ASTM D4812 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load | | | ASTM D648 |
| 0.45 MPa, Unannealed | 79.4 | °C | |
| 1.8 MPa, Unannealed | 43.3 | °C | |
| Flammability | Nominal Value | | Test Method |
| Flame Rating (1.50 mm, ** Values per RTP Company testing.) | HB | | UL 94 |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 79.4 | °C | |
| Drying Time | 2.0 | hr | |
| Processing (Melt) Temp | 191 to 232 | °C | |
| Mold Temperature | 32.2 to 65.6 | °C | |
| Injection Pressure | 68.9 to 103 | MPa | |

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