

RTP 1102 UV

Polyethylene Terephthalate

RTP Company

Message:

Warning: The status of this material is 'Commercial: Limited Issue'
The data for this material has not been recently verified.
Please contact RTP Company for current information prior to specifying this grade.

| General Information | | | |
|--|----------------------------------|-------------------|-------------|
| Filler / Reinforcement | Glass Fiber,15% Filler by Weight | | |
| RoHS Compliance | Contact Manufacturer | | |
| Appearance | Black | | |
| | Natural Color | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.46 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow (3.18 mm, Injection Molded) | 0.50 | % | ASTM D955 |
| Water Absorption (23°C, 24 hr) | 0.050 | % | ASTM D570 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus (Injection Molded) | 6890 | MPa | ASTM D638 |
| Tensile Strength | 103 | MPa | ASTM D638 |
| Tensile Elongation (Yield, Injection Molded) | 2.0 | % | ASTM D638 |
| Flexural Modulus (Injection Molded) | 6200 | MPa | ASTM D790 |
| Flexural Strength (Injection Molded) | 138 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (3.18 mm, Injection Molded) | 53 | J/m | ASTM D256 |
| Unnotched Izod Impact (3.18 mm) | 320 | J/m | ASTM D4812 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load | | | ASTM D648 |
| 0.45 MPa, Unannealed, Injection Molded | 238 | °C | |
| 1.8 MPa, Unannealed, Injection Molded | 221 | °C | |
| Injection | Nominal Value | Unit | |
| Rear Temperature | 243 to 293 | °C | |
| Middle Temperature | 243 to 293 | °C | |
| Front Temperature | 243 to 293 | °C | |
| Mold Temperature | 135 to 163 | °C | |
| Injection Pressure | 69.0 to 103 | MPa | |

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Recommended distributors for this material

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