

RTP 102 Z

Polypropylene
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 reinforced material, 15% filler by weight | | |
| Agency Ratings | FDA not rated | | |
| RoHS Compliance | Contact manufacturer | | |
| Appearance | Black | | |
| | Natural color | | |
| Forms | Particle | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 0.998 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow | | | ASTM D955 |
| 3.18mm, injection molding | 0.50 | % | ASTM D955 |
| 6.35mm, injection molding | 0.60 | % | ASTM D955 |
| Water Absorption (23°C, 24 hr) | 0.010 | % | ASTM D570 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus (Injection Molded) | 4200 | MPa | ASTM D638 |
| Tensile Strength | 36.0 | MPa | ASTM D638 |
| Tensile Elongation (Yield, Injection Molded) | 9.5 | % | ASTM D638 |
| Flexural Modulus (Injection Molded) | 3100 | MPa | ASTM D790 |
| Flexural Strength (Injection Molded) | 54.0 | 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) | 370 | J/m | ASTM D4812 |
| Flammability | Nominal Value | | Test Method |
| Flame Rating (1.50 mm) | HB | | UL 94 |
| Additional Information | | | |
| The value listed as Flammibility, UL 94, was tested in accordance with RTP Company methods. | | | |
| Injection | Nominal Value | Unit | |
| Rear Temperature | 193 - 227 | °C | |
| Middle Temperature | 193 - 227 | °C | |

| | | |
|--------------------|-------------|-----|
| Front Temperature | 193 - 227 | °C |
| Mold Temperature | 32.0 - 66.0 | °C |
| Injection Pressure | 69.0 - 103 | MPa |

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Recommended distributors for this material

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