

RTP 182

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 | Carbon 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 | 0.968 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow (3.18 mm, Injection Molded) | 0.20 to 0.30 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus (Injection Molded) | 8270 | MPa | ASTM D638 |
| Tensile Strength | 32.0 | MPa | ASTM D638 |
| Tensile Elongation (Yield, Injection Molded) | 9.0 | % | ASTM D638 |
| Flexural Modulus (Injection Molded) | 4820 | MPa | ASTM D790 |
| Flexural Strength (Injection Molded) | 52.0 | 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) | 270 | J/m | ASTM D4812 |
| Electrical | Nominal Value | Unit | Test Method |
| Surface Resistivity | 5.1E+4 | ohms | ASTM D257 |
| Volume Resistivity | 5.0E+2 | ohms · cm | ASTM D257 |
| Injection | Nominal Value | Unit | |
| Rear Temperature | 193 to 227 | °C | |
| Middle Temperature | 193 to 227 | °C | |
| Front Temperature | 193 to 227 | °C | |
| Mold Temperature | 32.0 to 66.0 | °C | |
| Injection Pressure | 69.0 to 103 | MPa | |

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infringement occurs, please contact us immediately.

Recommended distributors for this material

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