

RTP ESD C 100 MF Black

Polypropylene Copolymer

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 | | | |
|------------------------------------|----------------------|-------------------|-------------|
| Features | Antistatic | | |
| Agency Ratings | MIL B-81705C | | |
| RoHS Compliance | Contact Manufacturer | | |
| Appearance | Black | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 0.998 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow (3.18 mm) | 1.2 to 1.6 | % | ASTM D955 |
| Water Absorption (23°C, 24 hr) | 0.015 | % | ASTM D570 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 1380 | MPa | ASTM D638 |
| Tensile Strength | 22.4 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 10 | % | ASTM D638 |
| Flexural Modulus | 1030 | MPa | ASTM D790 |
| Flexural Strength | 27.6 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (3.18 mm) | 320 | J/m | ASTM D256 |
| Unnotched Izod Impact (3.18 mm) | 1300 | J/m | ASTM D4812 |
| Electrical | Nominal Value | Unit | Test Method |
| Surface Resistivity | 1.0E+5 | ohms | ASTM D257 |
| Volume Resistivity | 1.0E+2 | ohms · cm | ASTM D257 |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating (1.59 mm) | HB | | UL 94 |
| Injection | Nominal Value | Unit | |
| Rear Temperature | 218 to 274 | °C | |
| Middle Temperature | 218 to 274 | °C | |
| Front Temperature | 218 to 274 | °C | |
| Mold Temperature | 32.2 to 65.6 | °C | |
| Injection Pressure | 68.9 to 138 | MPa | |

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Recommended distributors for this material

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