

RTP 2285 HF UP

Polyetheretherketone

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 reinforced material, 30% filler by weight | | |
| Features | High liquidity | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.41 | g/cm ³ | ISO 1183 |
| Moisture Content | 0.10 | % | |
| Primary Additive | 30 | % | |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus (Injection Molded) | 30500 | MPa | ISO 527-2 |
| Tensile Stress | 295 | MPa | ISO 527-2 |
| Tensile Strain (Yield, Injection Molded) | 1.5 | % | ISO 527-2 |
| Flexural Modulus (Injection Molded) | 27000 | MPa | ISO 178 |
| Flexural Stress (Injection Molded) | 435 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact ¹ (Injection Molded) | 8.0 | kJ/m ² | ISO 180/1A |
| Unnotched Izod Impact Strength ² (Injection Molded) | 60 | kJ/m ² | ISO 180/1U |
| Additional Information | Nominal Value | Unit | |
| Data listed is for natural or black colored materials. Pigments can affect properties.Desiccant Type Dryer Required. | | | |
| Injection | Nominal Value | Unit | |
| Drying Temperature - Desiccant Dryer | 150 | °C | |
| Drying Time - Desiccant Dryer | 3.0 | hr | |
| Dew Point | -30.0 | °C | |
| Processing (Melt) Temp | 350 - 400 | °C | |
| Mold Temperature | 160 - 220 | °C | |
| Injection Pressure | 80.0 - 125 | MPa | |
| NOTE | | | |
| 1. | 4mm thickness | | |
| 2. | 4mm thickness | | |

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Recommended distributors for this material

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