

RTP 2289 HF

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,50% Filler by Weight		
Features	High Flow		
Uses	Metal Replacement		
RoHS Compliance	Contact Manufacturer		
Appearance	Black		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.48	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.010	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.12	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	46200	MPa	ASTM D638
Tensile Strength	248	MPa	ASTM D638
Tensile Elongation (Break)	0.80	%	ASTM D638
Flexural Modulus	39300	MPa	ASTM D790
Flexural Strength	379	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	69	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	530	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	288	°C	ASTM D648
Injection	Nominal Value	Unit	
Rear Temperature	357 to 399	°C	
Middle Temperature	357 to 399	°C	
Front Temperature	357 to 399	°C	
Mold Temperature	163 to 204	°C	
Injection Pressure	68.9 to 103	MPa	

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Recommended distributors for this material

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