

RTP 2209 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.
-Preliminary Product Data per RTP Co.-

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 50% filler by weight		
Features	High liquidity		
RoHS Compliance	Contact manufacturer		
Appearance	Black		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.73	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.20	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	19300	MPa	ASTM D638
Tensile Strength	200	MPa	ASTM D638
Tensile Elongation (Break)	1.0	%	ASTM D638
Flexural Modulus	15200	MPa	ASTM D790
Flexural Strength	290	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	120	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	910	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	288	°C	ASTM D648
Additional Information			
Tensile Elongation, ASTM D638: 1-2%			
Injection	Nominal Value	Unit	
Drying Temperature	149	°C	
Drying Time	3.0	hr	
Suggested Max Moisture	0.10	%	
Suggested Max Regrind	20	%	
Rear Temperature	357 - 399	°C	

Middle Temperature	357 - 399	°C
Front Temperature	357 - 399	°C
Mold Temperature	149 - 204	°C
Injection Pressure	68.9 - 138	MPa
Back Pressure	0.345 - 0.689	MPa
Clamp Tonnage	6.9 - 11	kN/cm ²

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Recommended distributors for this material

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