

RTP 1381

Polyphenylene Sulfide

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, 10% filler by weight		
RoHS Compliance	Contact manufacturer		
Appearance	Black		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.18 mm, Injection Molded)	0.20	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	11700	MPa	ASTM D638
Tensile Strength	110	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	1.5	%	ASTM D638
Flexural Modulus (Injection Molded)	11000	MPa	ASTM D790
Flexural Strength (Injection Molded)	138	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm, Injection Molded)	40	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	160	J/m	ASTM D4812
Flammability	Nominal Value	Test Method	
Flame Rating (1.50 mm)	HB	UL 94	
Additional Information			
The value listed as Flammibility, UL 94, was tested in accordance with RTP Company methods.			
Injection	Nominal Value	Unit	
Rear Temperature	288 - 321	°C	
Middle Temperature	288 - 321	°C	
Front Temperature	288 - 321	°C	
Mold Temperature	135 - 177	°C	
Injection Pressure	69.0 - 103	MPa	

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Recommended distributors for this material

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