

RTP 1378 D

Polyphenylene Sulfide

RTP Company

Message:

Glass Fiber - PTFE Lubricated

General Information			
Filler / Reinforcement	Glass Fiber,45% Filler by Weight		
Additive	PTFE Lubricant		
Features	Lubricated		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.71	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.10 to 0.30	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.020	%	ASTM D570
Moisture Content	0.040	%	
Primary Additive	30	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12800	MPa	ASTM D638
Tensile Strength	152	MPa	ASTM D638
Tensile Elongation (Yield)	1.5 to 3.0	%	ASTM D638
Flexural Modulus	11700	MPa	ASTM D790
Flexural Strength	221	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	69	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	690	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	260	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14 to 1.0E+16	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm, ** Values per RTP Company testing.)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	149	°C	
Drying Time	6.0	hr	
Processing (Melt) Temp	293 to 316	°C	
Mold Temperature	135 to 177	°C	
Injection Pressure	68.9 to 103	MPa	

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