

RTP 1379

Polyphenylene Sulfide
RTP Company

Message:
Glass Fiber - Mineral

General Information			
UL YellowCard	E84658-251524		
Filler / Reinforcement	Glass\Mineral,50% Filler by Weight		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.76	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.30	%	ASTM D955
Moisture Content	0.040	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	15500	MPa	ASTM D638
Tensile Strength	100	MPa	ASTM D638
Tensile Elongation (Yield)	0.90	%	ASTM D638
Flexural Modulus	14500	MPa	ASTM D790
Flexural Strength	145	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	37	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	190	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	260	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	149	°C	
Drying Time	6.0	hr	
Processing (Melt) Temp	307 to 329	°C	
Mold Temperature	135 to 177	°C	
Injection Pressure	68.9 to 103	MPa	

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Recommended distributors for this material

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