

RTP 2000 B-310

Polysulfone Alloy

RTP Company

Message:

Glass Fiber

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.40	%	ASTM D955
Moisture Content	0.050	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4480	MPa	ASTM D638
Tensile Strength	89.6	MPa	ASTM D638
Tensile Elongation (Yield)	3.5	%	ASTM D638
Flexural Modulus	4480	MPa	ASTM D790
Flexural Strength	114	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	157	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+12	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	135 - 163	°C	
Drying Time	3.0 - 4.0	hr	
Dew Point	-40.0	°C	
Processing (Melt) Temp	271 - 316	°C	
Mold Temperature	65.6 - 98.9	°C	
Injection Pressure	68.9 - 103	MPa	
Injection instructions			

Desiccant Type Dryer Required.

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Recommended distributors for this material

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