

RTP 2000 B-430

Polysulfone Alloy

RTP Company

Message:

Glass Fiber - Flame Retardant

General Information			
UL YellowCard	E84658-100093370		
Filler / Reinforcement	Glass fiber reinforced material		
Features	Flame retardancy		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.52	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.10 - 0.30	%	ASTM D955
Moisture Content	0.050	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10300	MPa	ASTM D638
Tensile Strength	145	MPa	ASTM D638
Tensile Elongation (Yield)	2.8	%	ASTM D638
Flexural Modulus	10000	MPa	ASTM D790
Flexural Strength	207	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	96	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	750	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	171	°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			UL 94
1.50 mm, ** Values per RTP Company testing.	V-0		UL 94
3.00 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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