

RTP 900 GF-110

Polysulfone
RTP Company

Message:

Glass Fiber - UL94

General Information			
UL YellowCard	E84658-251597		
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.50 to 0.70	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.23	%	ASTM D570
Moisture Content	0.15	%	
Primary Additive	10	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	122		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3450	MPa	ASTM D638
Tensile Strength	79.3	MPa	ASTM D638
Tensile Elongation (Yield)	4.0 to 6.0	%	ASTM D638
Flexural Modulus	3450	MPa	ASTM D790
Flexural Strength	128	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	64	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	770	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	182	°C	
1.8 MPa, Unannealed	177	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+15	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.50 mm	HB		
3.00 mm	V-0		
Injection	Nominal Value	Unit	
Drying Temperature	135	°C	

Drying Time	4.0	hr
Dew Point	-31.7	°C
Processing (Melt) Temp	332 to 371	°C
Mold Temperature	93.3 to 149	°C
Injection Pressure	68.9 to 124	MPa

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Recommended distributors for this material

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