

RTP 900 MG 10

Polysulfone
RTP Company

Message:
Milled Glass

General Information			
Filler / Reinforcement	Milled 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	%	ASTM D955
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	75.8	MPa	ASTM D638
Tensile Elongation (Yield)	5.0	%	ASTM D638
Flexural Modulus	3450	MPa	ASTM D790
Flexural Strength	110	MPa	ASTM D790
Compressive Strength	100	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	80	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	800	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	
CLTE - Flow	3.8E-5	cm/cm/°C	ASTM E831
Thermal Conductivity ¹	0.27	W/m/K	ASTM E1530
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+12	ohms · cm	ASTM D257
Dielectric Strength ² (in Oil)	17	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.50		ASTM D150
Dissipation Factor (1 MHz)	5.0E-3		ASTM D150
Arc Resistance	100	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method

Flame Rating (1.50 mm, ** Values per RTP Company testing.)	HB	UL 94
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
NOTE		
1.	Through-plane	
2.	Method A (Short-Time)	

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