

RTP 901 UV

Polysulfone
RTP Company

Message:

"Warning: The status of this material is 'Commercial: Limited Issue'
The data for this material has not been recently verified.
Please contact RTP Company for current information prior to specifying this grade."

General Information			
UL YellowCard	E84658-251603		
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Additive	UV Stabilizer		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.40 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	4140	MPa	ASTM D638
Tensile Strength	82.7	MPa	ASTM D638
Tensile Elongation (Yield)	4.0 to 6.0	%	ASTM D638
Flexural Modulus	3790	MPa	ASTM D790
Flexural Strength	131	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	69	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	640	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
Dielectric Strength ¹ (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			UL 94
1.50 mm	V-1		
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	
NOTE			

1. Method A (Short-Time)

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Recommended distributors for this material

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