

RTP 905

Polysulfone
RTP Company

Message:

Glass Fiber - UL94

General Information			
UL YellowCard	E84658-251605		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.46	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.10 to 0.30	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.20	%	ASTM D570
Moisture Content	0.15	%	
Primary Additive	30	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8270	MPa	ASTM D638
Tensile Strength	110	MPa	ASTM D638
Tensile Elongation (Yield)	2.0 to 3.0	%	ASTM D638
Flexural Modulus	7580	MPa	ASTM D790
Flexural Strength	162	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	75	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	450	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	185	°C	ASTM D648
Flammability	Nominal Value		Test Method
	V-0		
Flame Rating (3.00 mm)	5VA		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	

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Recommended distributors for this material

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