

RTP 1400 R-5500

Polyphenylsulfone

RTP Company

Message:

Extrusion Grade

General Information			
RoHS Compliance	Contact manufacturer		
Processing Method	Extrusion		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.29	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (365°C/5.0 kg)	9.0 - 14	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.60	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.37	%	ASTM D570
Moisture Content	0.040	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2340	MPa	ASTM D638
Tensile Strength	69.6	MPa	ASTM D638
Tensile Elongation (Yield)	90	%	ASTM D638
Flexural Modulus	2410	MPa	ASTM D790
Flexural Strength	91.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	690	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	209	°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 (1.50 mm, ** Values per RTP Company testing.)	V-0		UL 94
Injection	Nominal Value	Unit	
Dew Point	-31.7	°C	
Injection instructions			
Desiccant Type Dryer Required.			
Extrusion	Nominal Value	Unit	
Drying Temperature	149	°C	
Drying Time	6.0	hr	
Melt Temperature	343 - 388	°C	

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Recommended distributors for this material

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