

RTP 2000 R-4400

Polyphenylsulfone

RTP Company

Message:

RTP 2000 R-4400 is a polyphenylene sulfone (PPSU) material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is injection molding.

General Information			
RoHS Compliance		Contact manufacturer	
Processing Method		Injection molding	
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.70	%	ASTM D955
Moisture Content	0.050	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2340	MPa	ASTM D638
Tensile Strength	69.6	MPa	ASTM D638
Tensile Elongation (Yield)	60	%	ASTM D638
Flexural Modulus	2550	MPa	ASTM D790
Flexural Strength	97.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	270	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	190	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+12	ohms · cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	135 - 149	°C	
Drying Time	4.0 - 6.0	hr	
Dew Point	-31.7	°C	
Processing (Melt) Temp	360 - 391	°C	
Mold Temperature	138 - 163	°C	
Injection Pressure	68.9 - 103	MPa	
Injection instructions			

Desiccant Type Dryer Required.

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Recommended distributors for this material

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