

RTP Radel R-7400

Polyphenylsulfone

RTP Company

Message:

Flame Retardant

General Information			
Features	Flame retardancy		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.36	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (380°C/2.16 kg)	16	g/10 min	ASTM D1238
Water Absorption (23°C, 24 hr)	0.30	%	ASTM D570
Moisture Content	0.040	%	
Ignition Resistance - Aerospace Value (1.52 mm)	1.00		FAR 25.853
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2760	MPa	ASTM D638
Tensile Strength	75.8	MPa	ASTM D638
Tensile Elongation (Yield)	40	%	ASTM D638
Flexural Modulus	2760	MPa	ASTM D790
Flexural Strength	110	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	80	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	No Break		ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	182	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	149	°C	
Drying Time	6.0	hr	
Dew Point	-32	°C	
Processing (Melt) Temp	343 - 377	°C	
Mold Temperature	135 - 177	°C	
Injection Pressure	68.9 - 103	MPa	

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