

RTP 2299 X 91191

Polyetheretherketone

RTP Company

Message:

Encapsulation Grade

General Information			
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.82	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.20 - 0.40	%	ASTM D955
Moisture Content	0.10	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	16500	MPa	ASTM D638
Tensile Strength	141	MPa	ASTM D638
Tensile Elongation (Yield)	1.0 - 2.0	%	ASTM D638
Flexural Modulus	15900	MPa	ASTM D790
Flexural Strength	207	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
Electrical	Nominal Value		Test Method
Dielectric Constant (1 MHz)	4.10		ASTM D150
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm, ** Values per RTP Company testing.)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	149	°C	
Drying Time	3.0	hr	
Dew Point	-28.9	°C	
Processing (Melt) Temp	349 - 399	°C	
Mold Temperature	163 - 218	°C	
Injection Pressure	82.7 - 124	MPa	
Injection instructions			

Desiccant Type Dryer Required.

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