

RTP 2299 X 115088 C

Polyetheretherketone

RTP Company

Message:

Glass Fiber - Carbon Nanotube - ESD Protection

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
	Carbon nano filler		
Features	Electrostatic discharge protection		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.49	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.30 - 0.40	%	ASTM D955
Moisture Content	0.10	%	
Static Decay		sec	FTMS 101C 4046.1
Primary Additive	25	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10700	MPa	ASTM D638
Tensile Strength	172	MPa	ASTM D638
Tensile Elongation (Yield)	3.0	%	ASTM D638
Flexural Modulus	9650	MPa	ASTM D790
Flexural Strength	283	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	64	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	690	J/m	ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
--	1.0E+6 - 1.0E+8	ohms	ASTM D257
--	1.0E+5 - 1.0E+7	ohms	ESD STM11.11
Volume Resistivity	1.0E+2 - 1.0E+3	ohms · cm	ASTM D257
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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Recommended distributors for this material

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