

RTP 2299 X 115090 M

Polyetheretherketone
RTP Company

Message:
Carbon Nanotube - ESD Protection - High Purity

General Information			
Filler / Reinforcement	Carbon nano filler		
Features	High purity		
	Electrostatic discharge protection		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	1.2 - 1.6	%	ASTM D955
Moisture Content	0.10	%	
Static Decay		sec	FTMS 101C 4046.1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4140	MPa	ASTM D638
Tensile Strength	86.2	MPa	ASTM D638
Tensile Elongation (Yield)	2.5	%	ASTM D638
Flexural Modulus	4140	MPa	ASTM D790
Flexural Strength	172	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	43	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	480	J/m	ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
--	1.0E+4 - 1.0E+6	ohms	ASTM D257
--	1.0E+3 - 1.0E+5	ohms	ESD STM11.11
Volume Resistivity	> 10	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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