

RTP 2199 X 120440 G

Polyether Imide

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	1.29	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.60 - 0.80	%	ASTM D955
Moisture Content	0.040	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2900	MPa	ASTM D638
Tensile Strength	103	MPa	ASTM D638
Tensile Elongation (Yield)	4.0 - 6.0	%	ASTM D638
Flexural Modulus	3790	MPa	ASTM D790
Flexural Strength	162	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	48	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	850	J/m	ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
--	1.0E+7 - 1.0E+9	ohms	ASTM D257
--	1.0E+6 - 1.0E+8	ohms	ESD STM11.11
Volume Resistivity	10 - 1.0E+3	ohms · cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	149	°C	
Drying Time	4.0	hr	
Dew Point	-28.9	°C	
Processing (Melt) Temp	354 - 399	°C	
Mold Temperature	135 - 177	°C	
Injection Pressure	82.7 - 124	MPa	
Injection instructions			
Desiccant Type Dryer Required.			

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