

RTP 1199 X 115085 D

Polyethylene Terephthalate Glycol Comonomer
RTP Company

Message:
Carbon Nanotube - ESD Protection

General Information			
Filler / Reinforcement	Carbon nano filler		
Features	Electrostatic discharge protection		
RoHS Compliance	Contact manufacturer		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.29	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.20 - 0.40	%	ASTM D955
Moisture Content	0.020	%	
Static Decay		sec	FTMS 101C 4046.1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2480	MPa	ASTM D638
Tensile Strength	49.6	MPa	ASTM D638
Tensile Elongation (Yield)	7.0	%	ASTM D638
Flexural Modulus	2690	MPa	ASTM D790
Flexural Strength	86.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	27	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	370	J/m	ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
--	1.0E+5 - 1.0E+7	ohms	ASTM D257
--	1.0E+4 - 1.0E+6	ohms	ESD STM11.11
Volume Resistivity	1.0E+2 - 1.0E+4	ohms · cm	ASTM D257
Injection	Nominal Value	Unit	
Dew Point	-33.9	°C	
Injection instructions			
Desiccant Type Dryer Required.			
Extrusion	Nominal Value	Unit	
Drying Temperature	65.6	°C	
Drying Time	4.0	hr	
Melt Temperature	249 - 293	°C	
Die Temperature	249 - 293	°C	

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