

RTP 1199 X 115085 B

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	1.28	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.30 - 0.50	%	ASTM D955
Moisture Content	0.020	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2070	MPa	ASTM D638
Tensile Strength	49.6	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	2340	MPa	ASTM D790
Flexural Strength	82.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (3.20 mm)	1100	J/m	ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
--	1.0E+10 - 1.0E+11	ohms	ASTM D257
--	1.0E+9 - 1.0E+10	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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