

RTP 399 X 115084 B

Polycarbonate
RTP Company

Message:
Carbon Nanotube - Static Dissipative - ESD Protection

General Information			
Filler / Reinforcement	Carbon nano filler		
Features	Electrostatic discharge protection		
	Static conduction		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.40 - 0.60	%	ASTM D955
Moisture Content	0.020	%	
Static Decay		sec	FTMS 101C 4046.1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2550	MPa	ASTM D638
Tensile Strength	63.4	MPa	ASTM D638
Tensile Elongation (Yield)	8.0	%	ASTM D638
Flexural Modulus	2960	MPa	ASTM D790
Flexural Strength	103	MPa	ASTM D790
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
--	1.0E+7 - 1.0E+8	ohms	ASTM D257
--	1.0E+6 - 1.0E+7	ohms	ESD STM11.11
Volume Resistivity	< 1.0E+2	ohms · cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Dew Point	-28.9	°C	
Processing (Melt) Temp	288 - 316	°C	
Mold Temperature	82.2 - 121	°C	
Injection Pressure	68.9 - 103	MPa	
Injection instructions			
Desiccant Type Dryer Required.			

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Recommended distributors for this material

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