

RTP 399 X 115084 A

Polycarbonate
RTP Company

Message:
Carbon Nanotube - Electrically Conductive - ESD Protection - High Purity

General Information			
Filler / Reinforcement	Carbon nano filler		
Features	High purity		
	Conductivity		
	Electrostatic discharge protection		
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	3100	MPa	ASTM D638
Tensile Strength	63.4	MPa	ASTM D638
Tensile Elongation (Yield)	> 7.0	%	ASTM D638
Flexural Modulus	2830	MPa	ASTM D790
Flexural Strength	103	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	75	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	No Break		ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
--	1.0E+4 - 1.0E+5	ohms	ASTM D257
--	1.0E+3 - 1.0E+4	ohms	ESD STM11.11
Volume Resistivity	10 - 1.0E+3	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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