

RTP 399 X 125073 A

Polycarbonate
RTP Company

Message:
Carbon Nanotube - High Purity - ESD Protection - Impact Modified - Easy Molding

General Information			
Filler / Reinforcement	Carbon nano filler		
Additive	Impact modifier		
Features	Impact modification		
	High purity		
	Electrostatic discharge protection		
	Good formability		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.30 - 0.80	%	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	63.4	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	2480	MPa	ASTM D790
Flexural Strength	93.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	130	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	No Break		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	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Dew Point	-28.9	°C	
Processing (Melt) Temp	277 - 304	°C	

Mold Temperature	60.0 - 104	°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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