

RTP 3399 X 117884 D

Polyvinylidene Fluoride

RTP Company

Message:

Carbon Nanotube - Electrically Conductive

General Information			
Filler / Reinforcement	Carbon Nano		
Features	Electrically Conductive		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.78	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	2.5 to 3.5	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2280	MPa	ASTM D638
Tensile Strength	56.5	MPa	ASTM D638
Tensile Elongation (Yield)	15	%	ASTM D638
Flexural Modulus	1930	MPa	ASTM D790
Flexural Strength	64.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	110	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	No Break		ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
--	1.0E+3 to 1.0E+6	ohms	ASTM D257
--	1.0E+2 to 1.0E+5	ohms	ESD STM11.11
Volume Resistivity	1.0 to 1.0E+2	ohms · cm	ASTM D257
Static Decay	< 2.0	sec	FTMS 101C 4046.1
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm, ** Values per RTP Company testing.)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	210 to 277	°C	
Mold Temperature	82.2 to 104	°C	
Injection Pressure	68.9 to 103	MPa	

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