

RTP 1499 X 130922 B

Polyethersulfone
RTP Company

Message:
Electrically Conductive - Carbon Nanotube - High Purity

General Information			
Filler / Reinforcement	Carbon nano filler		
Features	High purity		
	Conductivity		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.50 - 1.0	%	ASTM D955
Moisture Content	0.020	%	
Static Decay		sec	FTMS 101C 4046.1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2410	MPa	ASTM D638
Tensile Strength	81.4	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	2690	MPa	ASTM D790
Flexural Strength	123	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	85	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	No Break		ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	146	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
--	1.0E+4 - 1.0E+7	ohms	ASTM D257
--	1.0E+3 - 1.0E+6	ohms	ESD STM11.11
Volume Resistivity	< 1.0E+2	ohms · cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	6.0	hr	
Dew Point	-31.7	°C	
Processing (Melt) Temp	288 - 316	°C	

Mold Temperature	79.4 - 98.9	°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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