

RTP 899 X 120422 E

Acetal (POM) Copolymer

RTP Company

Message:

Carbon Nanotube - Electrically Conductive

General Information			
Filler / Reinforcement	Carbon nano filler		
Features	Conductivity		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	1.5 - 2.5	%	ASTM D955
Moisture Content	0.15	%	
Static Decay		sec	FTMS 101C 4046.1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2070	MPa	ASTM D638
Tensile Strength	62.7	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	2550	MPa	ASTM D790
Flexural Strength	86.9	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)	1100	J/m	ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
--	1.0E+3 - 1.0E+5	ohms	ASTM D257
--	1.0E+2 - 1.0E+4	ohms	ESD STM11.11
Volume Resistivity	< 1.0E+2	ohms · cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	2.0	hr	
Dew Point	-31.7	°C	
Processing (Melt) Temp	182 - 218	°C	
Mold Temperature	79.4 - 107	°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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