

RTP 1099 X 136862

Polybutylene Terephthalate

RTP Company

Message:

ESD Protection - Permanently Static Dissipative - Glass Fiber - Preliminary Data

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	Electrostatic discharge protection		
	Static conduction		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.47	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.40 - 0.80	%	ASTM D955
Moisture Content	0.030	%	
Static Decay		sec	FTMS 101C 4046.1
Primary Additive	30	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3450	MPa	ASTM D638
Tensile Strength	48.3	MPa	ASTM D638
Tensile Elongation (Yield)	2.0 - 5.0	%	ASTM D638
Flexural Modulus	4140	MPa	ASTM D790
Flexural Strength	75.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	53	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	430	J/m	ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+8 - 9.9E+9	ohms	ASTM D257
Volume Resistivity	1.0E+7 - 9.9E+8	ohms · cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	82	°C	
Drying Time	4.0 - 6.0	hr	
Dew Point	-29	°C	
Processing (Melt) Temp	227 - 260	°C	
Mold Temperature	66 - 93	°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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