

RTP 199 X 141399

Polypropylene
RTP Company

Message:
ESD Protection - Permanently Anti-static - Glass Fiber - High Impact - Preliminary Datasheet

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Features	Electrostatic discharge protection		
	Antistatic property		
	Impact resistance, high		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.980	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.30 - 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1720	MPa	ASTM D638
Tensile Strength	29.0	MPa	ASTM D638
Tensile Elongation (Yield)	7.0 - 10	%	ASTM D638
Flexural Modulus	1520	MPa	ASTM D790
Flexural Strength	40.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	190	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	530	J/m	ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
--	< 1.0E+10	ohms	ESD STM11.11
--	< 1.0E+11	ohms	ASTM D257
Volume Resistivity	< 1.0E+10	ohms · cm	ASTM D257
Static Decay ¹		sec	FTMS 101C 4046.1
Primary Additive	10	%	
Injection	Nominal Value	Unit	
Drying Temperature	79	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	191 - 232	°C	
Mold Temperature	32 - 66	°C	
Injection Pressure	68.9 - 103	MPa	
Injection instructions			

Do not exceed 520 °F (270 °C) melt temperature.Desiccant Type Dryer Required.

NOTE

1.
- MIL-PRF-81705D, 5kV to 50 V, 12% RH

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Recommended distributors for this material

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