

PermaStat PLUS® 700 WHITE

High Density Polyethylene

RTP Company

Message:

ESD Protection - Permanently Static Dissipative

General Information			
Features	Electrostatic discharge protection		
	Static conduction		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.950	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	2.0 - 4.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	483	MPa	ASTM D638
Tensile Strength	15.2	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	621	MPa	ASTM D790
Flexural Strength	17.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	80	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	No Break		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
Static Decay		sec	FTMS 101C 4046.1
Injection	Nominal Value	Unit	
Drying Temperature	79	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	177 - 204	°C	
Mold Temperature	21 - 52	°C	
Injection Pressure	68.9 - 103	MPa	
Injection instructions			

Do not exceed 520 °F (270 °C) melt temperature.

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