

PermaStat® 300 A

Polycarbonate

RTP Company

Message:

Permanently Anti-static - ESD Protection

General Information			
Features	Electrostatic discharge protection		
	Antistatic property		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.60 - 0.90	%	ASTM D955
Moisture Content	0.020	%	
Static Decay		sec	FTMS 101C 4046.1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1860	MPa	ASTM D638
Tensile Strength	53.1	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	2140	MPa	ASTM D790
Flexural Strength	82.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	800	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	No Break		ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
--	1.0E+9 - 9.9E+10	ohms	ESD STM11.11
--	1.0E+10 - 9.9E+11	ohms	ASTM D257
Volume Resistivity	1.0E+8 - 9.9E+10	ohms · cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Dew Point	-29	°C	
Processing (Melt) Temp	221 - 243	°C	
Mold Temperature	66 - 121	°C	
Injection Pressure	41.4 - 68.9	MPa	
Injection instructions			
Do not exceed 520 °F (270 °C) melt temperature.Desiccant Type Dryer Required.			

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Recommended distributors for this material

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