

PermaStat® 1500-50D

Thermoplastic Elastomer, Ether-Ester
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/cm³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	1.4 - 2.0	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	50		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	24.8	MPa	ASTM D638
Tensile Elongation (Yield)	> 500	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	No Break		ASTM D256
Unnotched Izod Impact (3.20 mm)	No Break		ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
--	1.0E+10 - 9.9E+11	ohms	ASTM D257
--	1.0E+9 - 9.9E+10	ohms	ESD STM11.11
Volume Resistivity	1.0E+9 - 9.9E+10	ohms·cm	ASTM D257
Static Decay		sec	FTMS 101C 4046.1
Injection	Nominal Value	Unit	
Processing (Melt) Temp	193 - 221	°C	
Mold Temperature	21.1 - 48.9	°C	
Injection Pressure	68.9 - 103	MPa	
Injection instructions			

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

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