

PermaStat PLUS® 4500

Polyketone

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	1.21	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	1.8 - 2.5	%	ASTM D955
Moisture Content		%	
Static Decay ¹		sec	FTMS 101C 4046.1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	689	MPa	ASTM D638
Tensile Strength	33.1	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	896	MPa	ASTM D790
Flexural Strength	31.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	270	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	No Break		ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	44.4	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
--	1.0E+7 - 9.9E+8	ohms	ESD STM11.11
--	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	93	°C	
Drying Time	4.0	hr	
Dew Point	-30	°C	
Processing (Melt) Temp	232 - 260	°C	
Mold Temperature	52 - 93	°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 |
|----|-------------------------------------|

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

