

PermaStat® 2800-55A

Thermoplastic Polyolefin Elastomer

RTP Company

Message:

Warning: The status of this material is 'Commercial: Limited Issue'

The data for this material has not been recently verified.

Please contact RTP Company for current information prior to specifying this grade.

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	0.950	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	1.0 - 2.0	%	ASTM D955
Moisture Content	0.030	%	
Static Decay ¹		sec	FTMS 101C 4046.1
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	55		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	2.07	MPa	ASTM D412
Tensile Elongation (Yield)	> 200	%	ASTM D412
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
-- ²	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
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	2.0	hr	
Dew Point	-17.8	°C	
Processing (Melt) Temp	182 - 204	°C	
Mold Temperature	15.6 - 65.6	°C	
Injection Pressure	34.5 - 68.9	MPa	
Injection instructions			
Do not exceed 520 °F (270 °C) melt temperature.			
NOTE			

1.	MIL-PRF-81705D, 5kV to 50 V, 12% RH
2.	ESD STM11.11

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Recommended distributors for this material

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