

PermaStat® 1200 T-70A

Thermoplastic Polyurethane Elastomer (Polyether)

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	1.06	g/cm ³	ASTM D792
Moisture Content	0.030	%	
Static Decay ¹		sec	FTMS 101C 4046.1
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	70		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	10.3	MPa	ASTM D412
Tensile Elongation (Yield)	> 1500	%	ASTM D412
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
Injection	Nominal Value	Unit	
Drying Temperature	107	°C	
Drying Time	6.0	hr	
Dew Point	-17.8	°C	
Processing (Melt) Temp	177 - 216	°C	
Mold Temperature	15.6 - 65.6	°C	
Injection Pressure	48.3 - 82.7	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

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