

RTP ESD C 1200-85A

Thermoplastic Polyurethane 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.

General Information			
Features	Conductivity		
	Electrostatic discharge protection		
RoHS Compliance	Contact manufacturer		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.0 - 1.5	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A, 10 seconds	85		ASTM D2240
Shaw D	45		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	10.3	MPa	ASTM D412
Tensile Elongation (Break)	500	%	ASTM D412
Tear Strength ¹	61.3	kN/m	ASTM D624
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+6	ohms	ASTM D257
Volume Resistivity	1.0E+3	ohms · cm	ASTM D257
Additional Information			
Dew Point: 0°FStatic Decay, FTMS101C 4046.1, MIL-PRF-81705D, 5kV to 50 V, 12% RH: <2 secSurface Resistance, ESD S11.11: < 1E5 ohmSurface Resistivity, ASTM D257: < 1E6 ohm/sqVolume Resistivity, ASTM D257: < 1E3 ohm-cm			
Injection	Nominal Value	Unit	
Drying Temperature	107	°C	
Drying Time	6.0	hr	
Suggested Max Moisture	0.010	%	
Processing (Melt) Temp	185 - 218	°C	
Mold Temperature	37.8 - 60.0	°C	
Injection Pressure	68.9 - 103	MPa	
Injection instructions			
Desiccant Type Dryer Required.			

NOTE

1. C mould

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Recommended distributors for this material

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