

RTP ESD C 1200 T-70D

Thermoplastic Polyurethane Elastomer (Polyether)

RTP Company

Message:

Electrically Conductive - ESD Protection

General Information			
Features	Conductivity		
	Electrostatic discharge protection		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.70 - 1.5	%	ASTM D955
Moisture Content	0.010	%	
Static Decay ¹		sec	FTMS 101C 4046.1
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	75		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, 3.20 mm)	27.6	MPa	ASTM D412
Tensile Elongation ³ (Break)	100	%	ASTM D412
Tear Strength ⁴	140	kN/m	ASTM D624
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
--	< 1.0E+6	ohms	ASTM D257
--	< 1.0E+5	ohms	ESD STM11.11
Volume Resistivity	< 1.0E+3	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	185 - 218	°C	
Mold Temperature	37.8 - 60.0	°C	
Injection Pressure	68.9 - 138	MPa	
Injection instructions			
Desiccant Type Dryer Required.			
NOTE			
1.	MIL-PRF-81705D, 5kV to 50 V, 12% RH		

2.	C mold, 500 mm/min
3.	Mouth die C, 500 mm/min
4.	C mould

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