

RTP ESD A 700 A

Low Density Polyethylene

RTP Company

Message:

ESD Protection - Static Dissipative

General Information			
Features	ESD Protection		
	Statically Conductive		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.00	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	1.8 to 2.5	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	345	MPa	ASTM D638
Tensile Strength	8.27	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	345	MPa	ASTM D790
Flexural Strength	9.65	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	No Break		ASTM D256
Unnotched Izod Impact (3.20 mm)	No Break		ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
--	1.0E+5 to 9.9E+11	ohms	ASTM D257
--	1.0E+4 to 9.9E+10	ohms	ESD STM11.11
Volume Resistivity	1.0E+3 to 9.9E+9	ohms · cm	ASTM D257
Static Decay ¹	< 2.0	sec	FTMS 101C 4046.1
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	193 to 232	°C	
Mold Temperature	21.1 to 65.6	°C	
Injection Pressure	68.9 to 103	MPa	
NOTE			

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

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Recommended distributors for this material

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