

RTP 799 A X 143512 EG

Low Density Polyethylene

RTP Company

Message:

ESD Protection - Permanently Anti-static - Extrusion Grade - Preliminary Datasheet

General Information			
Features	Electrostatic discharge protection		
	Antistatic property		
RoHS Compliance	Contact manufacturer		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.930	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	2.0 - 3.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	138	MPa	ASTM D638
Tensile Strength	6.89	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	138	MPa	ASTM D790
Flexural Strength	8.27	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+11	ohms	ASTM D257
Volume Resistivity	< 1.0E+10	ohms · cm	ASTM D257
Static Decay ¹		sec	FTMS 101C 4046.1
Injection	Nominal Value	Unit	
Injection Pressure	68.9 - 103	MPa	
Injection instructions			
Do not exceed 520 °F (270 °C) melt temperature.			
Extrusion	Nominal Value	Unit	
Drying Temperature	79	°C	
Drying Time	2.0	hr	
Melt Temperature	193 - 232	°C	
Die Temperature	21 - 66	°C	
NOTE			

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