

RTP 1199 A X 136859 B EG

Polyethylene Terephthalate Glycol Comonomer
RTP Company

Message:
Permanently Static Dissipative - Extrusion Grade - ESD Protection

General Information			
Features	Electrostatic discharge protection		
	Static conduction		
RoHS Compliance	Contact manufacturer		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Moisture Content	0.030	%	
Static Decay ¹		sec	FTMS 101C 4046.1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1100	MPa	ASTM D638
Tensile Strength	27.6	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	1170	MPa	ASTM D790
Flexural Strength	41.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	110	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	No Break		ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
--	1.0E+7 - 9.9E+8	ohms	ESD STM11.11
--	1.0E+8 - 9.9E+9	ohms	ASTM D257
Volume Resistivity	1.0E+7 - 9.9E+8	ohms · cm	ASTM D257
Injection	Nominal Value	Unit	
Dew Point	-34	°C	
Injection Pressure	68.9 - 103	MPa	
Injection instructions			
Do not exceed 520 °F (270 °C) melt temperature.Desiccant Type Dryer Required.			
Extrusion	Nominal Value	Unit	
Drying Temperature	82	°C	
Drying Time	4.0	hr	

Melt Temperature	204 - 238	°C
Die Temperature	21 - 38	°C
NOTE		

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