

# RTP 2099 X 143509 B

Polyester Alloy

RTP Company

Message:

ESD Protection - Static Dissipative - Preliminary Datasheet

General Information			
Features	Electrostatic discharge protection Static conduction		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.50 - 0.80	%	ASTM D955
Moisture Content		%	
Static Decay <sup>1</sup>		sec	FTMS 101C 4046.1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1790	MPa	ASTM D638
Tensile Strength	42.1	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	2000	MPa	ASTM D790
Flexural Strength	70.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	130	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	No Break		ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+9	ohms	ESD STM11.11
Injection	Nominal Value	Unit	
Drying Temperature	88	°C	
Drying Time	4.0 - 6.0	hr	
Dew Point	< -40	°C	
Processing (Melt) Temp	249 - 271	°C	
Mold Temperature	66 - 82	°C	
Injection Pressure	68.9 - 103	MPa	
NOTE			

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

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