

RTP 399 X 143507

Polycarbonate
RTP Company

Message:
ESD Protection - Static Dissipative - Flame Retardant

General Information			
Features	Electrostatic discharge protection		
	Flame retardancy		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.50 - 0.80	%	ASTM D955
Moisture Content	0.020	%	
Static Decay ¹		sec	FTMS 101C 4046.1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2410	MPa	ASTM D638
Tensile Strength	59.3	MPa	ASTM D638
Tensile Elongation (Yield)	5.0 - 8.0	%	ASTM D638
Flexural Modulus	2760	MPa	ASTM D790
Flexural Strength	100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	80	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	1300	J/m	ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+9	ohms	ESD STM11.11
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.5 mm, ** Values per RTP Company testing.)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Dew Point	-29	°C	
Processing (Melt) Temp	288 - 316	°C	
Mold Temperature	82 - 121	°C	
Injection Pressure	68.9 - 103	MPa	
Injection instructions			
Desiccant Type Dryer Required.			

NOTE

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