

RTP 399 X 141380 B

Polycarbonate
RTP Company

Message:
Permanently Static Dissipative - ESD Protection - PTFE Lubricated - Glass Fiber - Preliminary Datasheet

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Additive	PTFE lubricant		
Features	Electrostatic discharge protection		
	Static conduction		
	Lubrication		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	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
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+9	ohms	ESD STM11.11
Injection	Nominal Value	Unit	
Drying Temperature	93	°C	
Drying Time	4.0 - 6.0	hr	
Dew Point	-29	°C	
Processing (Melt) Temp	227 - 249	°C	
Mold Temperature	60 - 93	°C	
Injection Pressure	68.9 - 103	MPa	
Injection instructions			
Do not exceed 520 °F (270 °C) melt temperature.Desiccant Type Dryer Required.			
NOTE			

1.

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

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

