

RTP 299 A X 141372

Polyamide 6
RTP Company

Message:
ESD Protection - Electrically Conductive - Glass Fiber - Preliminary

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 13% filler by weight		
Features	Conductivity		
	Electrostatic discharge protection		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.50 - 0.80	%	ASTM D955
Moisture Content	0.20	%	
Static Decay ¹		sec	FTMS 101C 4046.1
Primary Additive	13	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5100	MPa	ASTM D638
Tensile Strength	82.7	MPa	ASTM D638
Tensile Elongation (Yield)	2.0 - 5.0	%	ASTM D638
Flexural Modulus	4960	MPa	ASTM D790
Flexural Strength	124	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)	640	J/m	ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
--	< 1.0E+5	ohms	ESD STM11.11
--	< 1.0E+6	ohms	ASTM D257
Volume Resistivity	< 1.0E+3	ohms · cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	82	°C	
Drying Time	2.0	hr	
Dew Point	-18	°C	
Processing (Melt) Temp	243 - 279	°C	
Mold Temperature	54 - 93	°C	
Injection Pressure	68.9 - 103	MPa	

Injection instructions

Desiccant Type Dryer Required.

NOTE

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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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



WECHAT