

RTP ESD A 600

Acrylonitrile Butadiene Styrene

RTP Company

Message:

ESD Protection - Static Dissipative

General Information			
Features	Electrostatic discharge protection		
	Static conduction		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.40 - 0.60	%	ASTM D955
Moisture Content	0.10	%	
Static Decay ¹		sec	FTMS 101C 4046.1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2410	MPa	ASTM D638
Tensile Strength	40.0	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	2340	MPa	ASTM D790
Flexural Strength	68.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	53	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	530	J/m	ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
--	1.0E+5 - 9.9E+11	ohms	ASTM D257
--	1.0E+4 - 9.9E+10	ohms	ESD STM11.11
Volume Resistivity	1.0E+3 - 9.9E+9	ohms·cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	2.0	hr	
Dew Point	-17.8	°C	
Processing (Melt) Temp	204 - 238	°C	
Mold Temperature	62.8 - 85.0	°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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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

