

RTP ESD A 100 FR

Polypropylene
RTP Company

Message:
Flame Retardant - ESD Protection - Static Dissipative

General Information			
Features	ESD Protection		
	Flame Retardant		
	Statically Conductive		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	1.0 to 1.5	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1520	MPa	ASTM D638
Tensile Strength	15.2	MPa	ASTM D638
Tensile Elongation (Yield)	6.0 to 10	%	ASTM D638
Flexural Modulus	1240	MPa	ASTM D790
Flexural Strength	29.6	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 to 9.9E+11	ohms	ASTM D257
--	1.0E+4 to 9.9E+10	ohms	ESD STM11.11
Volume Resistivity	1.0E+3 to 9.9E+9	ohms · cm	ASTM D257
Static Decay ¹	< 2.0	sec	FTMS 101C 4046.1
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm, ** Values per RTP Company testing.)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	191 to 232	°C	
Mold Temperature	32.2 to 65.6	°C	
Injection Pressure	68.9 to 103	MPa	

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

