

RTP ESD A 2800 B-55A Black

Thermoplastic Polyolefin Elastomer

RTP Company

Message:

ESD Protection - Static Dissipative

General Information			
Features	ESD Protection		
	Statically Conductive		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.990	g/cm ³	ASTM D792
Moisture Content	0.030	%	
Static Decay ¹	< 2.0	sec	FTMS 101C 4046.1
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	55		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ² (100% Strain, 3.18 mm)	1.55	MPa	ASTM D412
Tensile Strength ³ (Break, 3.20 mm)	5.31	MPa	ASTM D412
Tensile Elongation ⁴ (Break)	450	%	ASTM D412
Tear Strength ⁵	23.6	kN/m	ASTM D624
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+6 to 1.0E+12	ohms	ASTM D257
Volume Resistivity	1.0E+4 to 1.0E+10	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm, ** Values per RTP Company testing.)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	2.0	hr	
Dew Point	-17.8	°C	
Processing (Melt) Temp	182 to 210	°C	
Mold Temperature	15.6 to 65.6	°C	
Injection Pressure	82.7 to 124	MPa	
NOTE			
1.	MIL-PRF-81705D, 5kV to 50 V, 12% RH		
2.	Die C, 510 mm/min		
3.	Die C, 500 mm/min		

4.	Die C, 500 mm/min
5.	Die C

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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

