

RTP ESD C 1200-80A

Thermoplastic Polyurethane Elastomer (Polyester)

RTP Company

Message:

Warning: The status of this material is 'Commercial: Limited Issue'
The data for this material has not been recently verified.
Please contact RTP Company for current information prior to specifying this grade.

General Information			
Features	Electrostatic discharge protection		
Agency Ratings	MIL B-81705C		
RoHS Compliance	Contact manufacturer		
Appearance	Black		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.0	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.40	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	80		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	1.90	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+6	ohms	ASTM D257
Volume Resistivity	1.0E+3	ohms · cm	ASTM D257
Additional Information			
Tensile Elongation, ASTM D638: 10+%Volume Resistivity, ASTM D257: <10E3 ohm-cmSurface Resistivity, ASTM D257: <10E6 ohm/sqStatic Decay, FTMS-4046.1, Mil B-81705C: <2.0 seconds			
Injection	Nominal Value	Unit	
Rear Temperature	182 - 210	°C	
Middle Temperature	182 - 210	°C	
Front Temperature	182 - 210	°C	
Mold Temperature	15.6 - 65.6	°C	
Injection Pressure	68.9 - 103	MPa	

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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



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