

# RTP ESD C 2800-50D

Thermoplastic Polyolefin Elastomer

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.  
Electrically Conductive - 50 Shore D

General Information			
Features	Conductivity		
	Electrostatic discharge protection		
RoHS Compliance	Contact manufacturer		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.02	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	1.4 - 1.8	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	50		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	20.7	MPa	ASTM D638
Tensile Elongation (Yield)	300	%	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			
Dew Point: 0°FMoisture Content: 0.03%Static Decay, FTMS101C, 4046.1, MIL-PRF-81705D, 50V to 5kV, 12%RH: <2 sSurface Resistivity, ASTM D257: <1000000 ohmSurface Resistivity, ESD S11.11: 300%Volume Resistivity, ASTM D257: <1000 ohm-cm			
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	182 - 210	°C	
Mold Temperature	15.6 - 65.6	°C	
Injection Pressure	82.7 - 124	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

