

RTP ESD C 2800 B-55A

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.

General Information			
Features	Electrically Conductive		
	ESD Protection		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.00	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.5 to 3.0	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	55		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (100% Strain, 3.18 mm)	2.07	MPa	ASTM D412
Tensile Strength ² (Break, 3.18 mm)	5.52	MPa	ASTM D412
Tensile Elongation ³ (Break, 3.18 mm)	350	%	ASTM D412
Tear Strength ⁴	29.8	kN/m	ASTM D624
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity ⁵	< 1.0E+5	ohms	ASTM D257
Volume Resistivity	< 1.0E+3	ohms · cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	79.4	°C	
Drying Time - Desiccant Dryer	2.0	hr	
Dew Point - Desiccant Dryer	-17.8	°C	
Suggested Max Moisture	0.030	%	
Processing (Melt) Temp	182 to 210	°C	
Mold Temperature	15.6 to 65.6	°C	
Injection Pressure	82.7 to 124	MPa	
NOTE			
1.	Die C, 510 mm/min		
2.	Die C, 510 mm/min		
3.	Die C, 510 mm/min		
4.	Die C		
5.	ESD STM11.11		

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Recommended distributors for this material

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