

# RTP EMI 1262-80A

Thermoplastic Polyurethane 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			
Filler / Reinforcement	Stainless steel fiber, 15% filler by weight		
Features	Electromagnetic shielding (EMI)		
	Electrostatic discharge protection		
	Radio frequency shielding (RFI)		
RoHS Compliance	Contact manufacturer		
Appearance	Black		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm, Injection Molded)	1.0 - 1.5	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	80		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	5.00	MPa	ASTM D412
Tensile Elongation (Break)	500	%	ASTM D412
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+5	ohms	ASTM D257
Volume Resistivity	10	ohms · cm	ASTM D257
Additional Information			
Static Decay MIL-PRF-81705D, FTMS-4046.1: 2 sec			
Injection	Nominal Value	Unit	
Rear Temperature	160 - 210	°C	
Middle Temperature	160 - 210	°C	
Front Temperature	160 - 210	°C	
Mold Temperature	38.0 - 60.0	°C	
Injection Pressure	69.0 - 103	MPa	

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Recommended distributors for this material

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