

RTP EMI 2861-50A

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			
Filler / Reinforcement	Nickel-plated carbon fiber, 10% 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	1.03	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm, Injection Molded)	1.0 - 2.0	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	50		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2.00	MPa	ASTM D412
Tensile Elongation (Break)	100	%	ASTM D412
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm, Injection Molded)	No Break		ASTM D256
Unnotched Izod Impact (3.18 mm)	No Break		ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+5	ohms	ASTM D257
Volume Resistivity	1.0E+2	ohms · cm	ASTM D257
Additional Information			
Static Decay MIL-PRF-81705D, FTMS-4046.1: <2 sec			
Injection	Nominal Value	Unit	
Rear Temperature	171 - 199	°C	
Middle Temperature	171 - 199	°C	

Front Temperature	171 - 199	°C
Mold Temperature	16.0 - 66.0	°C
Injection Pressure	83.0 - 124	MPa

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Recommended distributors for this material

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