

# RTP EMI 2862-63A

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	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	1.10	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.0 - 1.5	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.050	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	63		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	68.9	MPa	ASTM D638
Tensile Strength	1.38	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	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	10	ohms · cm	ASTM D257
Additional Information			
Tensile Elongation, ASTM D638: 8-12%Shielding Effectiveness, ASTM D4935: 12-45+ dB Molding Shrinkage, ASTM D 955, 3.175mm: 8-12mm/m Static Decay, FTMS-4046.1, Mil B-81705C: <2.0 seconds			
Injection	Nominal Value	Unit	
Rear Temperature	177 - 232	°C	

Middle Temperature	177 - 232	°C
Front Temperature	177 - 232	°C
Mold Temperature	15.6 - 65.6	°C
Injection Pressure	68.9 - 138	MPa

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#### Recommended distributors for this material

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