

RTP EMI 1562

Thermoplastic 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)		
Agency Ratings	MIL B-81705B		
RoHS Compliance	Contact manufacturer		
Appearance	Black		
	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.40	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.020	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	138	MPa	ASTM D638
Tensile Strength	8.27	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	138	MPa	ASTM D790
Flexural Strength	5.52	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	270	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	530	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	160	°C	ASTM D648
1.8 MPa, not annealed	48.9	°C	ASTM D648
CLTE - Flow	1.8E-4	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+5	ohms	ASTM D257
Volume Resistivity	1.0E+2	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method

Flame Rating (1.59 mm)	HB	UL 94
Additional Information		
Mold Shrinkage, Linear-Flow, ASTM D955, 0.25in.: 6mil/in.NFPA Code 56A, static decay rate, 0.5 sec: passesShielding Effectiveness, ASTM D4935: 40+ dB		
Injection	Nominal Value	Unit
Rear Temperature	188 - 216	°C
Middle Temperature	188 - 216	°C
Front Temperature	188 - 216	°C
Mold Temperature	21.1 - 37.8	°C
Injection Pressure	34.5 - 103	MPa

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Recommended distributors for this material

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