

RTP EMI 2360.6 A

Thermoplastic Polyurethane Elastomer (Polyester)

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, 6.0% filler by weight		
Features	Electromagnetic shielding (EMI)		
	Rigidity, high		
RoHS Compliance	Contact manufacturer		
Appearance	Black		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.40	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.17	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2070	MPa	ASTM D638
Tensile Strength	46.9	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	2070	MPa	ASTM D790
Flexural Strength	68.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	290	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	1300	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	76.7	°C	ASTM D648
1.8 MPa, not annealed	65.6	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	10	ohms · cm	ASTM D257
Additional Information			
Mold Shrinkage, Linear-Flow, ASTM D955, 0.25in.: 10mil/in.			
Injection	Nominal Value	Unit	

Rear Temperature	218 - 274	°C
Middle Temperature	218 - 274	°C
Front Temperature	218 - 274	°C
Mold Temperature	23.9 - 121	°C
Injection Pressure	68.9 - 103	MPa

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Recommended distributors for this material

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