

# RTP EMI 2560.5 FR

Polycarbonate + ABS

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, 5.0% filler by weight		
Additive	Flame retardancy		
Features	Electromagnetic shielding (EMI)		
	Electrostatic discharge protection		
	Antistatic property		
	Radio frequency shielding (RFI)		
	Flame retardancy		
Agency Ratings	MIL B-81705C		
RoHS Compliance	Contact manufacturer		
Appearance	Black		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.60 - 0.70	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3100	MPa	ASTM D638
Tensile Strength	62.1	MPa	ASTM D638
Tensile Elongation (Break)	6.5	%	ASTM D638
Flexural Modulus	2900	MPa	ASTM D790
Flexural Strength	96.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	64	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	113	°C	ASTM D648
1.8 MPa, not annealed	104	°C	ASTM D648

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+6	ohms	ASTM D257
Volume Resistivity	1.0E+3	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.59 mm)	V-0		UL 94

#### Additional Information

The value listed as Flammability, UL 94, was tested in accordance with RTP test standards. Tensile Elongation@Break, ASTM D-638: 5-8% Volume Resistivity, ASTM D-257: <1E3 ohm-cm Surface Resistivity, ASTM D-257: <1E6 ohm Static Decay, Mil B-81705C: 30dB

Injection	Nominal Value	Unit
Rear Temperature	232 - 288	°C
Middle Temperature	232 - 288	°C
Front Temperature	232 - 288	°C
Mold Temperature	71.1 - 98.9	°C
Injection Pressure	68.9 - 103	MPa

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#### Recommended distributors for this material

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