RTP EMI 2560.75 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, 7.5% 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	1.34	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.50 - 0.60	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.12	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2690	MPa	ASTM D638
Tensile Strength	62.1	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	3450	MPa	ASTM D790
Flexural Strength	103	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (3.18 mm)	43	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	210	J/m	ASTM D4812
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	118	°C	ASTM D648
1.8 MPa, not annealed	113	°C	ASTM D648

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+6	ohms	ASTM D257
Volume Resistivity	1.0E+2	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: 3-5%Volume Resistivity, ASTM D-257: <1E2 ohm-cmSurface Resistivity, ASTM D-257: <1E6 ohmStatic Decay, Mil B-81705C: 35dB			
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 - 138	MPa	

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China