

RTP EMI 330B FR

Polycarbonate
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			
UL YellowCard	E84658-251425		
Filler / Reinforcement	Stainless steel fiber, 2.5% filler by weight		
Additive	Flame retardancy		
Features	Electromagnetic shielding (EMI)		
	Electrostatic discharge protection		
	Flame retardancy		
Agency Ratings	MIL B-81705C		
RoHS Compliance	Contact manufacturer		
UL File Number	E84658		
Appearance	Black		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.50 - 0.60	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.15	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2760	MPa	ASTM D638
Tensile Strength	62.1	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	2410	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)	1100	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	132	°C	ASTM D648
RTI Elec (1.59 mm)	75.0	°C	UL 746

RTI Imp (1.59 mm)	75.0	°C	UL 746
RTI (1.59 mm)	75.0	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating (1.59 mm, ALL)	V-0		UL 94

Additional Information

Molding Shrinkage, Linear-Flow, ASTM D955, 0.125in: 5-6mil/inMold Shrinkage, Linear-Flow, ASTM D955, 0.25in.: 6-7mil/inStatic Decay, FTMS-4046.1, Mil B-81705C: <2.0 seconds

Injection	Nominal Value	Unit
Rear Temperature	260 - 316	°C
Middle Temperature	260 - 316	°C
Front Temperature	260 - 316	°C
Mold Temperature	65.6 - 121	°C
Injection Pressure	103 - 138	MPa

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Recommended distributors for this material

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