

RTP EMI 2561 FR UV SC-888390 GRAY

Polycarbonate + ABS

RTP Company

Message:

Flame Retardant - UV Stabilized - Electrically Conductive - EMI/RFI Shielding

General Information			
Additive	UV stabilizer		
Features	Conductivity		
	Electromagnetic shielding (EMI)		
	Radio frequency shielding (RFI)		
	Flame retardancy		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm ³	ASTM D792
Moisture Content	0.020	%	
Static Decay		sec	FTMS 101C 4046.1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3450	MPa	ASTM D638
Tensile Strength	65.5	MPa	ASTM D638
Tensile Elongation (Yield)	2.0 - 4.0	%	ASTM D638
Flexural Modulus	3310	MPa	ASTM D790
Flexural Strength	114	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	43	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	640	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	116	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
--	< 1.0E+5	ohms	ASTM D257
--	< 1.0E+4	ohms	ESD STM11.11
Volume Resistivity	< 1.0	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm, ** Values per RTP Company testing.)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	93.3	°C	

Drying Time	4.0	hr
Dew Point	-28.9	°C
Processing (Melt) Temp	243 - 274	°C
Mold Temperature	51.7 - 93.3	°C
Injection Pressure	68.9 - 103	MPa

Injection instructions

Use a reverse barrel profile. Remove hopper magnets. Allow 4 - 5 shots to properly disperse the conductive fibers. The surface finish should have a silver streaking appearance, not clumps. Remove hopper magnets. Desiccant Type Dryer Required.

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