RTP EMI 1761

Polyphenylene Ether + PS

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, 10% filler by weight		
Features	Electromagnetic shielding (EMI) Antistatic property Good coloring		
Agency Ratings	MIL B-81705B		
RoHS Compliance	Contact manufacturer		
Appearance	Black Available colors Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.20	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.40	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.050	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	3450	MPa	ASTM D638
Tensile Strength	44.8	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	2760	MPa	ASTM D790
Flexural Strength	82.7	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (3.18 mm)	53	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	270	J/m	ASTM D4812
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	98.9	°C	ASTM D648
1.8 MPa, not annealed	93.3	°C	ASTM D648
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	5.0E+4	ohms	ASTM D257

Volume Resistivity	0.10	ohms·cm	ASTM D257

Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

Additional Information
Mold Shrinkage, Linear-Flow, ASTM D955, 0.25in.: 5mil/in.Tensile Elongation, ASTM D638: 3-5%Volume Resistivity, ASTM D257: 0.01-1 ohm-cmSurface Resistivity, ASTM D257: 1E3-1E6 ohms/sqNFPA Code 56A, static decay rate, 0.5 sec: passes

Injection	Nominal Value	Unit
Rear Temperature	204 - 260	°C
Middle Temperature	204 - 260	°C
Front Temperature	204 - 260	°C
Mold Temperature	37.8 - 93.3	°C
Injection Pressure	68.9 - 138	MPa

Recommended distributors for this material

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