

Samsung Cheil Industries Infino® EM-8250G MPPE, 20% Glass Filled

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polyphenylene Ether, 20% Glass Filled

Material Notes:

Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Infino-EM-8250G-MPPE-20-Glass-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ASTM D792
Melt Flow	20 g/10 min @Load 10.0 kg, Temperature 280 Â°C	20 g/10 min @Load 22.0 lb, Temperature 536 Â°F	ASTM D1238
Ash	20 %	20 %	ASTM D5630

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	98.1 MPa	14200 psi	5 mm/min; ASTM D638
Flexural Strength	137 MPa	19900 psi	2.8 mm/min; ASTM D790
Flexural Modulus	5.49 GPa	797 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	0.981 J/cm @Thickness 3.17 mm	1.84 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	128 Â°C @Thickness 6.40 mm	262 Â°F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	135 Â°C	275 Â°F	B/50; ISO R306
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	10000 - 1.00e+7 ohm @Temperature 23.0 Â°C	10000 - 1.00e+7 ohm @Temperature 73.4 Â°F	50% RH; ASTM D250
Static Decay	<= 0.10 sec @Temperature 23.0	<= 0.10 sec	50% RH; JIS L1049

Electrical Properties	^{°C} Metric	@Temperature 73.4 ^{°F} English	Comments
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