

Samsung Cheil Industries Infino[®] EM-8240C MPPE, Glass Filled

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO

Material Notes:

MPPE/GF material that is used in the main frame of banknote sorters. Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Infino-EM-8240C-MPPE-Glass-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0020 - 0.0030 cm/cm @Thickness 3.20 mm	0.0020 - 0.0030 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	25 g/10 min @Load 10.0 kg, Temperature 280 Å°C	25 g/10 min @Load 22.0 lb, Temperature 536 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	98.1 MPa	14200 psi	5 mm/min; ASTM D638
Elongation at Break	2.5 %	2.5 %	5 mm/min; ASTM D638
Flexural Strength	118 MPa	17100 psi	2.8 mm/min; ASTM D790
Flexural Modulus	9.32 GPa	1350 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	0.490 J/cm @Thickness 3.17 mm	0.918 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	130 Å°C @Thickness 6.40 mm	266 Å°F @Thickness 0.252 in	ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+6 ohm-cm @Temperature 23.0 Å°C	1.00e+6 ohm-cm @Temperature 73.4 Å°F	50% RH; ASTM 257
Static Decay	<= 1.0 sec @Temperature 23.0 Å°C	<= 1.0 sec @Temperature 73.4 Å°F	50% RH; JIS L1049

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