

Samsung Cheil Industries Infino® NH-8310 MPPE, Glass Filled FR

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO

Material Notes:

Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Infino-NH-8310-MPPE-Glass-Filled-FR.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.37 g/cc	1.37 g/cc	ASTM D792
Melt Flow	13.5 g/10 min @Load 10.0 kg, Temperature 250 Â°C	13.5 g/10 min @Load 22.0 lb, Temperature 482 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	108 MPa	15600 psi	5 mm/min; ASTM D638
Flexural Strength	137 MPa	19900 psi	2.8 mm/min; ASTM D790
Flexural Modulus	8.34 GPa	1210 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	0.588 J/cm @Thickness 3.17 mm	1.10 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	135 Â°C @Thickness 6.40 mm	275 Â°F @Thickness 0.252 in	ASTM D648
Flammability, UL94	V-1 @Thickness 1.50 - 3.00 mm	V-1 @Thickness 0.0591 - 0.118 in	

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