

Samsung Cheil Industries Infino[®] XI-4208 PA, Glass Filled

Category : Polymer , Thermoplastic , Nylon

Material Notes:

Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Infino-XI-4208-PA-Glass-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.79 g/cc	1.79 g/cc	ASTM D792
Water Absorption	0.30 % @Temperature 23.0 Â°C	0.30 % @Temperature 73.4 Â°F	ASTM D570
Melt Flow	30 g/10 min @Load 1.20 kg, Temperature 300 Â°C	30 g/10 min @Load 2.65 lb, Temperature 572 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	65.7 MPa	9530 psi	5 mm/min; ASTM D638
Flexural Strength	108 MPa	15700 psi	2.8 mm/min; ASTM D638
Flexural Modulus	6.08 GPa	882 ksi	2.8 mm/min; ASTM D638
Izod Impact, Notched	0.392 J/cm @Thickness 6.35 mm	0.735 ft-lb/in @Thickness 0.250 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	247 Â°C @Thickness 6.40 mm	477 Â°F @Thickness 0.252 in	ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	1.00e+14 ohm @Temperature 23.0 Â°C	1.00e+14 ohm @Temperature 73.4 Â°F	50% RH; ASTM D250

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