

Samsung Cheil Industries Infino® HX-4300G PPA, Glass Filled

Category : Polymer , Thermoplastic , Polyphthalamide (PPA) , Polyphthalamide (PPA), 10% Glass Fiber Reinforced

Material Notes:

Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Infino-HX-4300G-PPA-Glass-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.54 g/cc	1.54 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	122	122	ASTM D785
Tensile Strength, Yield	167 MPa	24200 psi	5 mm/min; ASTM D638
Elongation at Break	3.0 %	3.0 %	5 mm/min; ASTM D638
Flexural Strength	216 MPa	31300 psi	2.8 mm/min; ASTM D790
Flexural Modulus	9.81 GPa	1420 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	0.637 J/cm @Thickness 3.17 mm	1.19 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	290 Â°C @Thickness 6.40 mm	554 Â°F @Thickness 0.252 in	ASTM D648
Flammability, UL94	HB @Thickness 0.400 - 3.00 mm	HB @Thickness 0.0157 - 0.118 in	

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