

Samsung Cheil Industries Infino® AR-9301 PA, Glass Filled General Purpose

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-AR-9301-PA-Glass-Filled-General-Purpose.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.40 g/cc	1.40 g/cc	ASTM D792
Melt Flow	45 g/10 min	45 g/10 min	ASTM D1238
	@Load 10.0 kg, Temperature 250 Â°C	@Load 22.0 lb, Temperature 482 Â°F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	157 MPa	22800 psi	5 mm/min; ASTM D638
Flexural Strength	216 MPa	31300 psi	2.8 mm/min; ASTM D790
Flexural Modulus	9.32 GPa	1350 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	0.686 J/cm	1.29 ft-lb/in	ASTM D256
	@Thickness 6.35 mm	@Thickness 0.250 in	
	0.686 J/cm	1.29 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	235 Â°C	455 Â°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	

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