

Polykemi AB SCANAMID 66 A12^ F35 Nylon 66, Glass Fiber Reinforced, Modified

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled , Nylon 66, 40% Glass Fiber Filled

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-SCANAMID-66-A12-F35-Nylon-66-Glass-Fiber-Reinforced-Modified.php

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in ³	ISO 1183
Filler Content	35 %	35 %	±2%; Polykemi
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	With Flow; ISO 2577
	0.010 cm/cm	0.010 in/in	Across Flow; ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 195 MPa	<= 28300 psi	ISO/R527
Elongation at Yield	3.0 %	3.0 %	ISO/R527
Flexural Strength	<= 255 MPa	<= 37000 psi	ISO 178
Flexural Modulus	9.60 GPa @Temperature 23.0 °C	1390 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact, Notched	1.10 J/cm ² @Temperature 23.0 °C	5.23 ft-lb/in ² @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	250 °C	482 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	250 °C	482 °F	120°C/h; ISO 75/1
Vicat Softening Point	>= 230 °C @Load 5.001 kg	>= 446 °F @Load 11.03 lb	50°C/h; ISO 306
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	
Glow Wire Test	650 °C @Thickness 2.00 mm	1200 °F @Thickness 0.0787 in	IEC 695-2-1

Thermal Properties

Metric

English

Comments

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