

Polykemi AB SCANAMID 66 A12^ F15 Nylon 66, Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 10% Glass Fiber Filled , Nylon 66, 20% 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-F15-Nylon-66-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in³	ISO 1183
Filler Content	15 %	15 %	±2%; Polykemi
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	With Flow; ISO 2577
	0.012 cm/cm	0.012 in/in	Across Flow; ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 130 MPa	<= 18900 psi	ISO/R527
Elongation at Yield	3.5 %	3.5 %	ISO/R527
Flexural Strength	<= 195 MPa	<= 28300 psi	ISO 178
Flexural Modulus	5.40 GPa @Temperature 23.0 °C	783 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact Unnotched	2.50 J/cm² @Temperature 23.0 °C	11.9 ft-lb/in² @Temperature 73.4 °F	ISO 179
Charpy Impact, Notched	0.600 J/cm² @Temperature 23.0 °C	2.86 ft-lb/in² @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)	245 °C	473 °F	120°C/h; ISO 75/1
Vicat Softening Point	>= 220 °C @Load 5.001 kg	>= 428 °F @Load 11.03 lb	50°C/h; ISO 306
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Thermal Properties	650 °C Metric	1200 °F English	Comments
	@Thickness 2.00 mm	@Thickness 0.0787 in	

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