

Polykemi AB SCANAMID 66 A12^ F30 TF15 Nylon 66, Glass Fiber Reinforced, Modified

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% 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-F30-TF15-Nylon-66-Glass-Fiber-Reinforced-Modified.php

Physical Properties	Metric	English	Comments
Density	1.49 g/cc	0.0538 lb/in ³	ISO 1183
Filler Content	30 %	30 %	±2%; Polykemi
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	With Flow; ISO 2577
	0.011 cm/cm	0.011 in/in	Across Flow; ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 165 MPa	<= 23900 psi	ISO/R527
Elongation at Break	4.0 %	4.0 %	ISO/R527
Flexural Strength	<= 230 MPa	<= 33400 psi	ISO 178
Flexural Modulus	8.10 GPa @Temperature 23.0 °C	1170 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact, Notched	1.00 J/cm ² @Temperature 23.0 °C	4.76 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

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