

Polykemi AB SCANAMID 66 A33^E F30 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-A33E-F30-Nylon-66-Glass-Fiber-Reinforced-Modified.php

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 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
Hardness, Shore D	77 @Time 15.0 sec	77 @Time 0.00417 hour	ASTM D2240
Tensile Strength at Break	<= 130 MPa	<= 18900 psi	ISO/R527
Elongation at Break	3.5 %	3.5 %	ISO/R527
Flexural Strength	<= 210 MPa	<= 30500 psi	ISO 178
Flexural Modulus	7.70 GPa @Temperature 23.0 °C	1120 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact, Notched	1.30 J/cm ² @Temperature -20.0 °C	6.19 ft-lb/in ² @Temperature -4.00 °F	ISO 179
	1.80 J/cm ² @Temperature 23.0 °C	8.57 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)	240 °C	464 °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

Thermal Properties	Metric	English	Comments
Flammability, UL94	@Thickness 1.60 mm	@Thickness 0.0630 in	
Glow Wire Test	650 °C @Thickness 2.00 mm	1200 °F @Thickness 0.0787 in	IEC 695-2-1

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