

Polykemi AB SCANMID 6 B32^ E Q30 Nylon 6, Glass Fiber Reinforced, Modified

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 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-SCANMID-6-B32-E-Q30-Nylon-6-Glass-Fiber-Reinforced-Modified.php

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 lb/in³	ISO 1183
Filler Content	30 %	30 %	±2%; Polykemi
Linear Mold Shrinkage	0.0090 - 0.011 cm/cm	0.0090 - 0.011 in/in	With Flow; ISO 2577
	0.0090 - 0.011 cm/cm	0.0090 - 0.011 in/in	Across Flow; ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 80.0 MPa	<= 11600 psi	ISO/R527
Elongation at Break	15 %	15 %	ISO/R527
Flexural Strength	<= 100 MPa	<= 14500 psi	ISO 178
Flexural Modulus	4.20 GPa @Temperature 23.0 °C	609 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact, Notched	0.900 J/cm² @Temperature -20.0 °C	4.28 ft-lb/in² @Temperature -4.00 °F	ISO 179
	1.10 J/cm² @Temperature 23.0 °C	5.23 ft-lb/in² @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	180 °C	356 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	100 °C	212 °F	120°C/h; ISO 75/1
Vicat Softening Point	200 °C @Load 5.001 kg	392 °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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