

Polykemi AB SCANMID 6 B12^ F20 NH6 Nylon 6, Glass Fiber Reinforced, Halogen Free, Flame Retardant

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 20% Glass Fiber Filled , Nylon 6, Glass Fiber Filled, Flame Retardant

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-SCANMID-6-B12-F20-NH6-Nylon-6-Glass-Fiber-Reinforced-Halogen-Free-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in ³	ISO 1183
Filler Content	20 %	20 %	±2%; Polykemi
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	With Flow; ISO 2577
	0.0090 cm/cm	0.0090 in/in	Across Flow; ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 105 MPa	<= 15200 psi	ISO/R527
Elongation at Break	3.5 %	3.5 %	ISO/R527
Flexural Modulus	6.40 GPa @Temperature 23.0 °C	928 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact, Notched	0.500 J/cm ² @Temperature 23.0 °C	2.38 ft-lb/in ² @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	210 °C	410 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	200 °C	392 °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	V-0 @Thickness 1.60 mm	V-0 @Thickness 0.0630 in	
Glow Wire Test	960 °C @Thickness 2.00 mm	1760 °F @Thickness 0.0787 in	IEC 695-2-1

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