

Polykemi AB SCANMID 6 B32^ E F15 Nylon 6, Glass Fiber Reinforced, Modified

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 10% Glass Fiber Filled , Nylon 6 , 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-SCANMID-6-B32-E-F15-Nylon-6-Glass-Fiber-Reinforced-Modified.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	ISO 1183
Filler Content	15 %	15 %	±2%; Polykemi
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 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	<= 120 MPa	<= 17400 psi	ISO/R527
Flexural Strength	<= 170 MPa	<= 24700 psi	ISO 178
Flexural Modulus	4.50 GPa	653 ksi	ISO 178
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	1.00 J/cm ²	4.76 ft-lb/in ²	ISO 179
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	1.60 J/cm ²	7.61 ft-lb/in ²	ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	

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)	185 °C	365 °F	120°C/h; ISO 75/1
Vicat Softening Point	>= 200 °C	>= 392 °F	50°C/h; ISO 306
	@Load 5.001 kg	@Load 11.03 lb	
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
Glow Wire Test	650 °C	1200 °F	IEC 695-2-1

Thermal Properties	@Thickness 2.00 mm Metric	@Thickness 0.0787 in English	Comments
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Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China