

**Polykemi AB SCANMID 6 B22^ E F40 Nylon 6, Glass Fiber Reinforced, Modified**

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 40% 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-B22-E-F40-Nylon-6-Glass-Fiber-Reinforced-Modified.php](http://www.lookpolymers.com/polymer_Polykemi-AB-SCANMID-6-B22-E-F40-Nylon-6-Glass-Fiber-Reinforced-Modified.php)

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in <sup>3</sup>	ISO 1183
Filler Content	40 %	40 %	±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	<= 155 MPa	<= 22500 psi	ISO/R527
Flexural Strength	<= 230 MPa	<= 33400 psi	ISO 178
Flexural Modulus	8.80 GPa	1280 ksi	ISO 178
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	1.80 J/cm <sup>2</sup>	8.57 ft-lb/in <sup>2</sup>	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)	200 °C	392 °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
	@Thickness 2.00 mm	@Thickness 0.0787 in	

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