

## Polykemi AB SCANMID 6 B11^ F45 Nylon 6, Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 50% 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-B11-F45-Nylon-6-Glass-Fiber-Reinforced.php](http://www.lookpolymers.com/polymer_Polykemi-AB-SCANMID-6-B11-F45-Nylon-6-Glass-Fiber-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.51 g/cc	0.0546 lb/in <sup>3</sup>	ISO 1183
Filler Content	45 %	45 %	±2%; Polykemi
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	With Flow; ISO 2577
	0.0080 cm/cm	0.0080 in/in	Across Flow; ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 200 MPa	<= 29000 psi	ISO/R527
Flexural Strength	<= 280 MPa	<= 40600 psi	ISO 178
Flexural Modulus	12.8 GPa	1860 ksi	ISO 178
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	NB	NB	ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	1.50 J/cm <sup>2</sup>	7.14 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)	215 °C	419 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	210 °C	410 °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.

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