

## Polykemi AB SCANMID 6 B11^ F30 FR5 Nylon 6, Glass Fiber Reinforced, Flame Retardant

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 30% 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-B11-F30-FR5-Nylon-6-Glass-Fiber-Reinforced-Flame-Retardant.php](http://www.lookpolymers.com/polymer_Polykemi-AB-SCANMID-6-B11-F30-FR5-Nylon-6-Glass-Fiber-Reinforced-Flame-Retardant.php)

Physical Properties	Metric	English	Comments
Density	1.52 g/cc	0.0549 lb/in <sup>3</sup>	ISO 1183
Filler Content	30 %	30 %	±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	<= 140 MPa	<= 20300 psi	ISO/R527
Elongation at Break	9.0 %	9.0 %	ISO/R527
Flexural Strength	<= 225 MPa	<= 32600 psi	ISO 178
Flexural Modulus	9.00 GPa @Temperature 23.0 °C	1310 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact, Notched	0.600 J/cm <sup>2</sup> @Temperature -20.0 °C	2.86 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	ISO 179
	1.00 J/cm <sup>2</sup> @Temperature 23.0 °C	4.76 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	195 °C	383 °F	120°C/h; ISO 75/1
Vicat Softening Point	205 °C @Load 5.001 kg	401 °F @Load 11.03 lb	50°C/h; ISO 306
Flammability, UL94	V-0 @Thickness 3.20 mm	V-0 @Thickness 0.126 in	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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