

## Polykemi AB SCANMID 6 B11^ FX25 FR10 Nylon 6, Glass Fiber Reinforced, Flame Retardant

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 20% Glass Fiber Filled , 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-FX25-FR10-Nylon-6-Glass-Fiber-Reinforced-Flame-Retardant.php](http://www.lookpolymers.com/polymer_Polykemi-AB-SCANMID-6-B11-FX25-FR10-Nylon-6-Glass-Fiber-Reinforced-Flame-Retardant.php)

Physical Properties	Metric	English	Comments
Density	1.56 g/cc	0.0564 lb/in <sup>3</sup>	ISO 1183
Filler Content	25 %	25 %	±2%; Polykemi
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 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	<= 95.0 MPa	<= 13800 psi	ISO/R527
Elongation at Break	2.0 %	2.0 %	ISO/R527
Flexural Strength	<= 162 MPa	<= 23500 psi	ISO 178
Flexural Modulus	6.50 GPa	943 ksi	ISO 178
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Izod Impact, Notched (ISO)	5.50 kJ/m <sup>2</sup>	2.62 ft-lb/in <sup>2</sup>	ISO 180/4A
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.350 J/cm <sup>2</sup>	1.67 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)	200 °C	392 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	180 °C	356 °F	120°C/h; ISO 75/1
Flammability, UL94	V-0	V-0	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	5VA	5VA	

Thermal Properties	@Thickness 1.60 mm Metric	@Thickness 0.0630 in English	Comments
Glow Wire Test	960 °C	1760 °F	IEC 695-2-1
	@Thickness 1.60 mm	@Thickness 0.0630 in	

## Contact Songhan Plastic Technology Co.,Ltd.

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