

## Polykemi AB SCANAMID 66 A53^ F43 Nylon 66, Glass Fiber Reinforced, Modified

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 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-SCANAMID-66-A53-F43-Nylon-66-Glass-Fiber-Reinforced-Modified.php](http://www.lookpolymers.com/polymer_Polykemi-AB-SCANAMID-66-A53-F43-Nylon-66-Glass-Fiber-Reinforced-Modified.php)

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in <sup>3</sup>	ISO 1183
Filler Content	43 %	43 %	±2%; Polykemi
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	With Flow; ISO 2577
	0.010 cm/cm	0.010 in/in	Across Flow; ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 140 MPa	<= 20300 psi	ISO/R527
Elongation at Break	10 %	10 %	ISO/R527
Flexural Strength	<= 220 MPa	<= 31900 psi	ISO 178
Flexural Modulus	10.4 GPa @Temperature 23.0 °C	1510 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact Unnotched	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ISO 179
Charpy Impact, Notched	2.00 J/cm <sup>2</sup> @Temperature 23.0 °C	9.52 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	
Glow Wire Test	650 °C @Thickness 2.00 mm	1200 °F @Thickness 0.0787 in	IEC 695-2-1

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