

Polykemi AB SCANMID 6 B60 Nylon 6, Modified

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Impact Grade

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-SCANMID-6-B60-Nylon-6-Modified.php

Physical Properties	Metric	English	Comments
Density	2.00 g/cc	0.0723 lb/in ³	ISO 1183
Filler Content	60 %	60 %	±2%; Polykemi

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 73.0 MPa	<= 10600 psi	ISO/R527
Elongation at Break	5.8 %	5.8 %	ISO/R527
Elongation at Yield	5.0 %	5.0 %	ISO/R527
Flexural Strength	<= 100 MPa	<= 14500 psi	ISO 178
Flexural Modulus	4.90 GPa @Temperature 23.0 °C	711 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact, Notched	0.350 J/cm ² @Temperature -20.0 °C	1.67 ft-lb/in ² @Temperature -4.00 °F	ISO 179
	0.400 J/cm ² @Temperature 23.0 °C	1.90 ft-lb/in ² @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	190 °C	374 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	93.0 °C	199 °F	120°C/h; ISO 75/1
Vicat Softening Point	213 °C @Load 5.001 kg	415 °F @Load 11.03 lb	50°C/h; ISO 306
	225 °C @Load 1.00 kg	437 °F @Load 2.21 lb	50°C/h; ISO 306

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