

Polykemi AB SCANAMID 66 A53^EM Nylon 66, Modified

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Impact Grade

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-SCANAMID-66-A53EM-Nylon-66-Modified.php

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in³	ISO 1183
Linear Mold Shrinkage	0.016 cm/cm	0.016 in/in	With Flow; ISO 2577
	0.018 cm/cm	0.018 in/in	Across Flow; ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 50.0 MPa	<= 7250 psi	ISO/R527
Elongation at Yield	8.0 %	8.0 %	ISO/R527
Flexural Strength	<= 50.0 MPa	<= 7250 psi	ISO 178
Flexural Modulus	2.10 GPa @Temperature 23.0 °C	305 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	5.00 J/cm² @Temperature 23.0 °C	23.8 ft-lb/in² @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	180 °C	356 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	65.0 °C	149 °F	120°C/h; ISO 75/1
Vicat Softening Point	200 °C @Load 5.001 kg	392 °F @Load 11.03 lb	50°C/h; ISO 306
Flammability, UL94	HB @Thickness 1.60 mm	HB @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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