

Polykemi AB SCANAMID 66 A33[^]E F45 Nylon 66, Glass Fiber Reinforced, Elastomer Modified

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 40% Glass Fiber Filled , Nylon 66, 50% 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-A33E-F45-Nylon-66-Glass-Fiber-Reinforced-Elastomer-Modified.php

Physical Properties	Metric	English	Comments
Density	1.48 g/cc	0.0535 lb/in ³	ISO 1183
Filler Content	45 %	45 %	±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	<= 150 MPa	<= 21800 psi	ISO/R527
Elongation at Break	4.5 %	4.5 %	ISO/R527
Elongation at Yield	3.7 %	3.7 %	ISO/R527
Flexural Strength	<= 250 MPa	<= 36300 psi	ISO 178
Flexural Modulus	11.0 GPa	1600 ksi	ISO 178
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	NB	NB	ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	NB	NB	ISO 179
	@Temperature -20.0 °C	@Temperature -4.00 °F	
Charpy Impact, Notched	1.40 J/cm ²	6.66 ft-lb/in ²	ISO 179
	@Temperature -20.0 °C	@Temperature -4.00 °F	
Charpy Impact, Notched	2.00 J/cm ²	9.52 ft-lb/in ²	ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	230 °C	446 °F	120°C/h; ISO 75/1

Thermal Properties	Metric	English	Comments
Vicat Softening Point	@Load 5.001 kg	@Load 11.03 lb	55°C, 130 385

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