

Polykemi AB SCANAMID 66.6 C12^F30 Nylon 66/6, Glass Fiber, Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 6/66 , Nylon 66/6, 30% Glass Fiber Reinforced

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-SCANAMID-666-C12F30-Nylon-666-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in ³	ISO 1183
Filler Content	30 %	30 %	±2%; Polykemi
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	With Flow; ISO 2577
	0.011 cm/cm	0.011 in/in	Across Flow; ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 175 MPa	<= 25400 psi	ISO/R527
Elongation at Yield	5.0 %	5.0 %	ISO/R527
Flexural Strength	<= 243 MPa	<= 35200 psi	ISO 178
Flexural Modulus	8.80 GPa	1280 ksi	ISO 178
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	4.00 J/cm ²	19.0 ft-lb/in ²	ISO 179
	@Temperature -20.0 °C	@Temperature -4.00 °F	
Charpy Impact, Notched	4.20 J/cm ²	20.0 ft-lb/in ²	ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.600 J/cm ²	2.86 ft-lb/in ²	ISO 179
	@Temperature -20.0 °C	@Temperature -4.00 °F	
Charpy Impact, Notched	0.800 J/cm ²	3.81 ft-lb/in ²	ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	250 °C	482 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	240 °C	464 °F	120°C/h; ISO 75/1

Thermal Properties	≥ 230 °C Metric	≥ 446 °F English	Comments
	@Load 5.001 kg	@Load 11.03 lb	306
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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