

Polykemi AB SCANAMID 66 A12^ F25 FR6 Nylon 66, Glass Fiber Reinforced, Flame Retardant

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% 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-A12-F25-FR6-Nylon-66-Glass-Fiber-Reinforced-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.51 g/cc	0.0546 lb/in ³	ISO 1183
Filler Content	25 %	25 %	±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	<= 160 MPa	<= 23200 psi	ISO/R527
Elongation at Yield	2.5 %	2.5 %	ISO/R527
Flexural Strength	<= 210 MPa	<= 30500 psi	ISO 178
Flexural Modulus	8.50 GPa	1230 ksi	ISO 178
	@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	
	0.700 J/cm ²	3.33 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)	250 °C	482 °F	120°C/h; ISO 75/1
Vicat Softening Point	>= 230 °C	>= 446 °F	50°C/h; ISO 306
	@Load 5.001 kg	@Load 11.03 lb	
Flammability, UL94	V-0	V-0	
	@Thickness 1.60 mm	@Thickness 0.0630 in	

Thermal Properties	Metric	English	Comments
Glow Wire Test	@Thickness 2.00 mm	@Thickness 0.0787 in	IEC 695-2-1

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