

Polykemi AB SCANAMID 66 AL220L2M Nylon 66, Impact 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-AL220L2M-Nylon-66-Impact-Modified.php

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.015 cm/cm	0.015 in/in	With Flow; ISO 2577
	0.017 cm/cm	0.017 in/in	Across Flow; ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 75.0 MPa	<= 10900 psi	ISO/R527
Elongation at Break	6.0 %	6.0 %	ISO/R527
Flexural Strength	<= 100 MPa	<= 14500 psi	ISO 178
Flexural Modulus	2.50 GPa @Temperature 23.0 °C	363 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact, Notched	1.00 J/cm ² @Temperature -20.0 °C	4.76 ft-lb/in ² @Temperature -4.00 °F	ISO 179
	1.65 J/cm ² @Temperature 23.0 °C	7.85 ft-lb/in ² @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	200 °C	392 °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	220 °C @Load 5.001 kg	428 °F @Load 11.03 lb	50°C/h; ISO 306
	>= 250 °C @Load 1.00 kg	>= 482 °F @Load 2.21 lb	50°C/h; ISO 306
Flammability, UL94	HB	HB	

Thermal Properties	@Thickness 1.60 mm Metric	@Thickness 0.0630 in English	Comments
Glow Wire Test	650 °C	1200 °F	IEC 695-2-1
	@Thickness 2.00 mm	@Thickness 0.0787 in	

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