

Polykemi AB SCANMID 6 B12^ FC Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-SCANMID-6-B12-FC-Nylon-6.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in³	ISO 1183
Linear Mold Shrinkage	0.010 cm/cm	0.010 in/in	With Flow; ISO 2577
	0.011 cm/cm	0.011 in/in	Across Flow; ISO 2577

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	77	77	ASTM D2240
	@Time 15.0 sec	@Time 0.00417 hour	
Tensile Strength at Break	<= 80.0 MPa	<= 11600 psi	ISO/R527
Elongation at Break	35 %	35 %	ISO/R527
Elongation at Yield	4.0 %	4.0 %	ISO/R527
Flexural Strength	<= 110 MPa	<= 16000 psi	ISO 178
Flexural Modulus	2.80 GPa	406 ksi	ISO 178
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.500 J/cm²	2.38 ft-lb/in²	ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	0.500 J/cm²	2.38 ft-lb/in²	ISO 179
	@Temperature -20.0 °C	@Temperature -4.00 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	185 °C	365 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	70.0 °C	158 °F	120°C/h; ISO 75/1
Vicat Softening Point	200 °C	392 °F	50°C/h; ISO 306
	@Load 5.001 kg	@Load 11.03 lb	

Thermal Properties	V-2 Metric	V-2 English	Comments
	@Thickness 1.60 mm	@Thickness 0.0630 in	
Glow Wire Test	750 °C	1380 °F	IEC 695-2-1
	@Thickness 2.00 mm	@Thickness 0.0787 in	

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