

Polykemi AB SCANLON A 5005 PA/ABS-Blend

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS)/Nylon Blend , Nylon

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-SCANLON-A-5005-PAABS-Blend.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0090 cm/cm	0.0090 in/in	With Flow; ISO 2577
	0.0090 cm/cm	0.0090 in/in	Across Flow; ISO 2577
Melt Index of Compound	7.5 g/10 min	7.5 g/10 min	ISO 1133
	@Load 5.00 kg, Temperature 240 °C	@Load 11.0 lb, Temperature 464 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	64	64	ASTM D2240
	@Time 15.0 sec	@Time 0.00417 hour	
Tensile Strength at Break	<= 40.0 MPa	<= 5800 psi	ISO/R527
Elongation at Break	>= 150 %	>= 150 %	ISO/R527
Flexural Strength	<= 50.0 MPa	<= 7250 psi	ISO 178
Flexural Modulus	1.40 GPa	203 ksi	ISO 178
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	4.50 J/cm ²	21.4 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)	90.0 °C	194 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	60.0 °C	140 °F	120°C/h; ISO 75/1
Vicat Softening Point	105 °C	221 °F	50°C/h; ISO 306
	@Load 5.001 kg	@Load 11.03 lb	
	185 °C	365 °F	

Thermal Properties	Metric @Load 1.00 kg	English @Load 2.21 lb	50°C/h ISO 306 Comments
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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