

## Polykemi AB POLYsan PN127 Styrene Acrylonitrile

Category : Polymer , Thermoplastic , SAN Polymer

**Material Notes:**

Information provided by Polykemi AB

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polykemi-AB-POLYsan-PN127-Styrene-Acrylonitrile.php](http://www.lookpolymers.com/polymer_Polykemi-AB-POLYsan-PN127-Styrene-Acrylonitrile.php)

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	With Flow; ISO 2577
	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	Across Flow; ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 70.0 MPa	<= 10200 psi	ISO/R527
Elongation at Yield	6.0 %	6.0 %	ISO/R527
Flexural Strength	<= 124 MPa	<= 18000 psi	ISO 178
Flexural Modulus	3.70 GPa	537 ksi	ISO 178
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.200 J/cm <sup>2</sup>	0.952 ft-lb/in <sup>2</sup>	ISO 179
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	0.300 J/cm <sup>2</sup>	1.43 ft-lb/in <sup>2</sup>	ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	100 °C	212 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	85.0 °C	185 °F	120°C/h; ISO 75/1
Vicat Softening Point	100 °C	212 °F	50°C/h; ISO 306
	@Load 5.001 kg	@Load 11.03 lb	
	106 °C	223 °F	50°C/h; ISO 306
	@Load 1.00 kg	@Load 2.21 lb	
Flammability, UL94	HB	HB	

Thermal Properties	@Thickness 1.60 mm Metric	@Thickness 0.0630 in English	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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