

Polykemi AB POLYsan FL100 F20 SAN, Glass Fiber-Reinforced

Category : Polymer , Thermoplastic , SAN Polymer , Styrene Acrylonitrile (SAN), Molded, Glass Reinforced

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-POLYsan-FL100-F20-SAN-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in ³	ISO 1183
Filler Content	20 %	20 %	±2%; Polykemi

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 95.0 MPa	<= 13800 psi	ISO/R527
Elongation at Break	6.5 %	6.5 %	ISO/R527
Flexural Strength	<= 140 MPa	<= 20300 psi	ISO 178
Flexural Modulus	7.00 GPa @Temperature 23.0 °C	1020 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact, Notched	0.400 J/cm ² @Temperature 23.0 °C	1.90 ft-lb/in ² @Temperature 73.4 °F	ISO 179
	0.400 J/cm ² @Temperature -20.0 °C	1.90 ft-lb/in ² @Temperature -4.00 °F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	104 °C	219 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	100 °C	212 °F	120°C/h; ISO 75/1
Vicat Softening Point	107 °C @Load 5.001 kg	225 °F @Load 11.03 lb	50°C/h; ISO 306
	112 °C @Load 1.00 kg	234 °F @Load 2.21 lb	50°C/h; ISO 306
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	
	650 °C	1200 °F	

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