

Polykemi AB POLYsan FL100 F35 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-F35-SAN-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 lb/in ³	ISO 1183
Filler Content	35 %	35 %	±2%; Polykemi

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<= 105 MPa	<= 15200 psi	ISO/R527
Elongation at Break	6.0 %	6.0 %	ISO/R527
Flexural Strength	<= 160 MPa	<= 23200 psi	ISO 178
Flexural Modulus	10.0 GPa @Temperature 23.0 °C	1450 ksi @Temperature 73.4 °F	ISO 178
Charpy Impact, Notched	0.300 J/cm ² @Temperature 23.0 °C	1.43 ft-lb/in ² @Temperature 73.4 °F	ISO 179
	0.300 J/cm ² @Temperature -20.0 °C	1.43 ft-lb/in ² @Temperature -4.00 °F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	105 °C	221 °F	120°C/h; ISO 75/1
Deflection Temperature at 1.8 MPa (264 psi)	102 °C	216 °F	120°C/h; ISO 75/1
Vicat Softening Point	108 °C @Load 5.001 kg	226 °F @Load 11.03 lb	50°C/h; ISO 306
	115 °C @Load 1.00 kg	239 °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	

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