

Chi Mei Kibisan® PN107 SAN Resin, General Purpose

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

Material Notes:

Product Characteristics Water Clear High Rigidity Medium Flow Information provided by Calsak Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chi-Mei-Kibisan-PN107-SAN-Resin-General-Purpose.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.06 g/cc	1.06 g/cc	ASTM D792
Linear Mold Shrinkage	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	ASTM D955
Melt Flow	3.0 g/10 min	3.0 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 200 °C	@Load 11.0 lb, Temperature 392 °F	
	16 g/10 min	16 g/10 min	ASTM D1238
	@Load 3.80 kg, Temperature 230 °C	@Load 8.38 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	83	83	ASTM D789
Tensile Strength, Yield	60.6 MPa	8790 psi	ASTM D638
	@Thickness 3.17 mm	@Thickness 0.125 in	
Elongation at Break	5.0 %	5.0 %	ASTM D638
Flexural Yield Strength	88.11 MPa	12780 psi	ASTM D790
	@Thickness 3.17 mm	@Thickness 0.125 in	
Flexural Modulus	3.45 GPa	500 ksi	ASTM D790
Izod Impact, Notched	0.166 J/cm	0.310 ft-lb/in	ASTM D256
	@Thickness 6.35 mm, Temperature 23.0 °C	@Thickness 0.250 in, Temperature 73.4 °F	
	0.176 J/cm	0.330 ft-lb/in	ASTM D256
	@Thickness 3.17 mm, Temperature 23.0 °C	@Thickness 0.125 in, Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	90.0 °C	194 °F	unannealed; ASTM D648

Thermal Properties	100 °C Metric	212 °F English	annealed: ASTM D648 Comments
Vicat Softening Point	104 °C	219 °F	ASTM D1525
Flammability, UL94	HB @Thickness 1.59 mm	HB @Thickness 0.0625 in	

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