

Chi Mei Kibisan® PN-107 L125 SAN

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

Material Notes:

High Clarity

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chi-Mei-Kibisan-PN-107-L125-SAN.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	ISO 1183
Melt Flow	32 g/10 min @Load 10.0 kg, Temperature 220 °C	32 g/10 min @Load 22.0 lb, Temperature 428 °F	Melt Volume Rate (ml/10 min); ISO 1133

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	155 MPa	22500 psi	H358/30; ISO 2039-1
Tensile Strength at Break	54.0 MPa	7830 psi	50 mm/min; ISO 527
Tensile Strength, Yield	52.0 MPa	7540 psi	50 mm/min; ISO 527
Elongation at Break	4.0 %	4.0 %	50 mm/min; ISO 527
Flexural Strength	92.0 MPa	13300 psi	2 mm/min; ISO 178
Flexural Modulus	3.00 GPa	435 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	3.00 kJ/m ²	1.43 ft-lb/in ²	ISO 180/1A
Izod Impact, Unnotched (ISO)	15.0 kJ/m ²	7.14 ft-lb/in ²	ISO 180/1C
Charpy Impact Unnotched	1.80 J/cm ²	8.57 ft-lb/in ²	ISO 179
Charpy Impact, Notched	0.200 J/cm ²	0.952 ft-lb/in ²	ISO 179
Impact	3.00	3.00	Impact Flexural Test Notched (KJ/m ²)
	18.0	18.0	Impact Flexural Test Unnotched (KJ/m ²)

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	86.0 °C	187 °F	unannealed; ISO 75
	97.0 °C	207 °F	annealed; ISO 75
Vicat Softening Point	101 °C	214 °F	50°C/hr; ISO 306

Thermal Properties	@Load 5.00 kg Metric	@Load 11.0 lb English	Comments
	103 °C	217 °F	120°C/hr; ISO 306
	@Load 5.00 kg	@Load 11.0 lb	
	105 °C	221 °F	50°C/hr; ISO 306
	@Load 1.00 kg	@Load 2.20 lb	
	108 °C	226 °F	120°C/hr; ISO 306
	@Load 1.00 kg	@Load 2.20 lb	
Flammability, UL94	HB	HB	UL 94
	@Thickness 1.59 mm	@Thickness 0.0625 in	

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