

Chi Mei Kibilac® PW-957 ASA Polymer

Category : Polymer , Thermoplastic , ASA Polymer

Material Notes:

Injection

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chi-Mei-Kibilac-PW-957-ASA-Polymer.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in ³	ISO 1183
Melt Flow	26 g/10 min @Load 10.0 kg, Temperature 220 °C	26 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	88.0 MPa	12800 psi	H358/30; ISO 2039-1
Tensile Strength at Break	38.0 MPa	5510 psi	50 mm/min; ISO 179/2D
Tensile Strength, Yield	50.0 MPa	7250 psi	50 mm/min; ISO 527
Elongation at Break	20 %	20 %	50 mm/min; ISO 527
Flexural Strength	67.0 MPa	9720 psi	2 mm/min; ISO 178
Flexural Modulus	1.90 GPa	276 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	12.0 kJ/m ²	5.71 ft-lb/in ²	ISO 180/1A
Izod Impact, Unnotched (ISO)	NB	NB	ISO 180/1C
Charpy Impact Unnotched	NB	NB	ISO 179
Charpy Impact, Notched	1.23 J/cm ²	5.85 ft-lb/in ²	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	85.0 °C	185 °F	unannealed; ISO 75
	94.0 °C	201 °F	annealed; ISO 75
Vicat Softening Point	92.0 °C @Load 5.00 kg	198 °F @Load 11.0 lb	50°C/hr; ISO 306
	95.0 °C @Load 5.00 kg	203 °F @Load 11.0 lb	120°C/hr; ISO 306

Thermal Properties	Metric	English	Comments
	@Load 1.00 kg	@Load 2.20 lb	50 °C/hr; ISO 306
	107 °C	225 °F	120°C/hr; ISO 306
	@Load 1.00 kg	@Load 2.20 lb	
Flammability, UL94	HB	HB	UL 94

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