

Chi Mei® PA-707

High gloss, high rigid

No vendors are listed for this material. Please click [here](#) if you are a supplier and would like information on how to add your listing to this material.

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0030 - 0.0070 cm/cm	0.0030 - 0.0070 in/in	ASTM D955
Melt Flow	1.9 g/10 min @Load 5.00 kg, Temperature 200 °C	1.9 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238
	20 g/10 min @Load 10.0 kg, Temperature 220 °C	20 g/10 min @Load 22.0 lb, Temperature 428 °F	ISO-1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	116	116	ASTM D785
Ball Indentation Hardness	115 MPa	16700 psi	H358/30; ISO 2039-1
Tensile Strength at Break	38.0 MPa	5510 psi	50 mm/min; ISO 527
Tensile Strength, Yield	56.0 MPa	8120 psi	50 mm/min; ISO 527
Elongation at Break	20 %	20 %	50 mm/min; ISO 527
Flexural Strength	79.0 MPa	11500 psi	2 mm/min; ISO 178
Flexural Modulus	2.30 GPa	334 ksi	2 mm/min; ISO 178
Izod Impact, Notched	1.44 J/cm @Thickness 3.17 mm	2.70 ft-lb/in @Thickness 0.125 in	ASTM D256
	1.44 J/cm @Thickness 6.35 mm	2.70 ft-lb/in @Thickness 0.250 in	
Izod Impact, Notched (ISO)	11.0 kJ/m ²	5.23 ft-lb/in ²	ISO 180/1A
Izod Impact, Unnotched (ISO)	90.0 kJ/m ²	42.8 ft-lb/in ²	ISO 180/1C
Charpy Impact Unnotched	NB	NB	ISO 179
Charpy Impact, Notched	1.10 J/cm ²	5.24 ft-lb/in ²	ISO 179
Impact	9.0	9.0	Impact Flexural Test Notched (KJ/m ²)
	NB	NB	Impact Flexural Test Unnotched (KJ/m ²)

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	88.0 °C	190 °F	unannealed; ISO 75
	98.0 °C	208 °F	annealed; ISO 75
Vicat Softening Point	100 °C @Load 5.00 kg	212 °F @Load 11.0 lb	50°C/hr; ISO 306
	102 °C @Load 5.00 kg	216 °F @Load 11.0 lb	120°C/hr; ISO 306
	104 °C @Load 1.00 kg	219 °F @Load 2.20 lb	50°C/hr; ISO 306
	106 °C @Load 1.00 kg	223 °F @Load 2.20 lb	120°C/hr; ISO 306
	HB @Thickness 1.59 mm	HB @Thickness 0.0625 in	UL 94
Flammability, UL94			