

Chi Mei® PA-717C

Medium impact

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	1.04 g/cc	0.0376 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0030 - 0.0070 cm/cm	0.0030 - 0.0070 in/in	ASTM D955
Melt Flow	1.8 g/10 min @Load 5.00 kg, Temperature 200 °C	1.8 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238
	12 g/10 min @Load 10.0 kg, Temperature 220 °C	12 g/10 min @Load 22.0 lb, Temperature 428 °F	ISO-1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	115	115	ASTM D785
Ball Indentation Hardness	97.0 MPa	14100 psi	H358/30; ISO 2039-1
Tensile Strength at Break	35.0 MPa	5080 psi	50 mm/min; ISO 527
Tensile Strength, Yield	49.0 MPa	7110 psi	50 mm/min; ISO 527
Elongation at Break	20 %	20 %	50 mm/min; ISO 527
Flexural Strength	69.0 MPa	10000 psi	2 mm/min; ISO 178
Flexural Modulus	1.90 GPa	276 ksi	2 mm/min; ISO 178
Izod Impact, Notched	2.55 J/cm @Thickness 6.35 mm	4.78 ft-lb/in @Thickness 0.250 in	ASTM D256
	2.88 J/cm @Thickness 3.17 mm	5.40 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Notched (ISO)	21.0 kJ/m ²	9.99 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	2.20 J/cm ²	10.5 ft-lb/in ²	ISO 179
Impact	14	14	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)	87.0 °C	189 °F	unannealed; ISO 75
	97.0 °C	207 °F	annealed; ISO 75
Vicat Softening Point	98.0 °C @Load 5.00 kg	208 °F @Load 11.0 lb	50°C/hr; ISO 306
	99.0 °C @Load 5.00 kg	210 °F @Load 11.0 lb	120°C/hr; ISO 306
	103 °C @Load 1.00 kg	217 °F @Load 2.20 lb	50°C/hr; ISO 306
	105 °C @Load 1.00 kg	221 °F @Load 2.20 lb	120°C/hr; ISO 306
Flammability, UL94	HB @Thickness 1.59 mm	HB @Thickness 0.0625 in	UL 94