

Chi Mei® PA-727

Electro-plating

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
	19 g/10 min @Load 10.0 kg, Temperature 220 °C	19 g/10 min @Load 22.0 lb, Temperature 428 °F	ISO-1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D785
Ball Indentation Hardness	103 MPa	14900 psi	H358/30; ISO 2039-1
Tensile Strength at Break	37.0 MPa	5370 psi	50 mm/min; ISO 527
Tensile Strength, Yield	52.0 MPa	7540 psi	50 mm/min; ISO 527
Elongation at Break	15 %	15 %	50 mm/min; ISO 527
Flexural Strength	73.0 MPa	10600 psi	2 mm/min; ISO 178
Flexural Modulus	2.10 GPa	305 ksi	2 mm/min; ISO 178
Izod Impact, Notched	2.33 J/cm @Thickness 6.35 mm	4.37 ft-lb/in @Thickness 0.250 in	ASTM D256
	2.66 J/cm @Thickness 3.17 mm	4.98 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	2.30 J/cm ²	10.9 ft-lb/in ²	ISO 179
Impact	18	18	Impact Flexural Test Notched (KJ/m ²)
	NB	NB	Impact Flexural Test Unnotched (KJ/m ²)