

Chi Mei Polylac® PA-726 ABS

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Plating Grade

Material Notes:

Electro-plating

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chi-Mei-Polylac-PA-726-ABS.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	99.0 MPa	14400 psi	H358/30; ISO 2039-1
Tensile Strength at Break	35.0 MPa	5080 psi	50 mm/min; ISO 527
Tensile Strength, Yield	44.0 MPa	6380 psi	50 mm/min; ISO 527
Elongation at Break	40 %	40 %	50 mm/min; ISO 527
Flexural Strength	64.0 MPa	9280 psi	2 mm/min; ISO 178
Flexural Modulus	2.10 GPa	305 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	24.0 kJ/m ²	11.4 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	2.60 J/cm ²	12.4 ft-lb/in ²	ISO 179
Impact	18.0	18.0	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)	87.0 °C	189 °F	unannealed; ISO 75
	96.0 °C	205 °F	annealed; ISO 75
Vicat Softening Point	94.0 °C	201 °F	50°C/hr; ISO 306
	@Load 5.00 kg	@Load 11.0 lb	
	96.0 °C	205 °F	120°C/hr; ISO 306
	@Load 5.00 kg	@Load 11.0 lb	

Thermal Properties	Metric	English	Comments
	@Load 1.00 kg	@Load 2.20 lb	50°C/hr; ISO 306
	103 °C	217 °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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