

Chi Mei Polylac® PA-777E ABS - High Heat

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Heat Resistant, Molded

Material Notes:

Ultra High Heat

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chi-Mei-Polylac-PA-777E-ABS-High-Heat.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0030 - 0.0070 cm/cm	0.0030 - 0.0070 in/in	ASTM D955
Melt Flow	5.0 g/10 min	5.0 g/10 min	ISO-1133
	@Load 10.0 kg, Temperature 220 °C	@Load 22.0 lb, Temperature 428 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	115	115	ASTM D785
Ball Indentation Hardness	99.0 MPa	14400 psi	H358/30; ISO 2039-1
Tensile Strength at Break	37.0 MPa	5370 psi	50 mm/min; ISO 527
Tensile Strength, Yield	44.0 MPa	6380 psi	50 mm/min; ISO 527
Elongation at Break	13 %	13 %	50 mm/min; ISO 527
Flexural Strength	71.0 MPa	10300 psi	2 mm/min; ISO 178
Flexural Modulus	2.20 GPa	319 ksi	2 mm/min; ISO 178
Izod Impact, Notched	1.11 J/cm	2.08 ft-lb/in	ASTM D256
	@Thickness 6.35 mm	@Thickness 0.250 in	
	1.22 J/cm	2.29 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	
Izod Impact, Notched (ISO)	11.0 kJ/m ²	5.23 ft-lb/in ²	ISO 180/1A
Izod Impact, Unnotched (ISO)	95.0 kJ/m ²	45.2 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	9.00	9.00	Impact Flexural Test Notched (KJ/m ²)

Mechanical Properties	^{MB} Metric	^{MB} English	Impact Flexural Test Unnotched (KJ/m ²)
-----------------------	-------------------------	--------------------------	--

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	106 °C	223 °F	unannealed; ISO 75
	118 °C	244 °F	annealed; ISO 75
Vicat Softening Point	119 °C	246 °F	50°C/hr; ISO 306
	@Load 5.00 kg	@Load 11.0 lb	
	121 °C	250 °F	120°C/hr; ISO 306
	@Load 5.00 kg	@Load 11.0 lb	
	129 °C	264 °F	50°C/hr; ISO 306
Flammability, UL94	HB	HB	UL 94
	@Thickness 1.59 mm	@Thickness 0.0625 in	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China