

Chi Mei Polylac® PA-747R ABS - Extrusion

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

Material Notes:

Attach case and refrigerator

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chi-Mei-Polylac-PA-747R-ABS-Extrusion.php

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	0.30 g/10 min	0.30 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 200 °C	@Load 11.0 lb, Temperature 392 °F	
	2.5 g/10 min	2.5 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	110	110	ASTM D785
Ball Indentation Hardness	90.0 MPa	13100 psi	H358/30; ISO 2039-1
Tensile Strength at Break	33.0 MPa	4790 psi	50 mm/min; ISO 527
Tensile Strength, Yield	44.0 MPa	6380 psi	50 mm/min; ISO 527
Elongation at Break	20 %	20 %	50 mm/min; ISO 527
Flexural Strength	61.0 MPa	8850 psi	2 mm/min; ISO 178
Flexural Modulus	1.70 GPa	247 ksi	2 mm/min; ISO 178
Izod Impact, Notched	3.60 J/cm	6.74 ft-lb/in	ASTM D256
	@Thickness 6.35 mm	@Thickness 0.250 in	
	4.27 J/cm	8.00 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	
Izod Impact, Notched (ISO)	29.0 kJ/m ²	13.8 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 Mechanical Properties	3.20 J/cm ² Metric	15.2 ft-lb/in ² English	ISO 179 Comments
Impact	21.0	21.0	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
	99.0 °C	210 °F	annealed; ISO 75
Vicat Softening Point	101 °C	214 °F	50°C/hr; ISO 306
	@Load 5.00 kg	@Load 11.0 lb	
	104 °C	219 °F	120°C/hr; ISO 306
	@Load 5.00 kg	@Load 11.0 lb	
	106 °C	223 °F	50°C/hr; ISO 306
	@Load 1.00 kg	@Load 2.20 lb	
	108 °C	226 °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	

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