

Chi Mei Polylac® PA-764B ABS - Flame Retardant

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Unreinforced, Flame Retardant

Material Notes:

F.R. Weather Resistant

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chi-Mei-Polylac-PA-764B-ABS-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in ³	ISO 1183
Melt Flow	25 g/10 min	25 g/10 min	Melt Volume Rate (ml/10 min); ISO 1133
	@Load 10.0 kg, Temperature 220 °C	@Load 22.0 lb, Temperature 428 °F	

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	78.0 MPa	11300 psi	H358/30; ISO 2039-1
Tensile Strength at Break	30.0 MPa	4350 psi	50 mm/min; ISO 527
Tensile Strength, Yield	40.0 MPa	5800 psi	50 mm/min; ISO 527
Elongation at Break	10 %	10 %	50 mm/min; ISO 527
Flexural Strength	57.0 MPa	8270 psi	2 mm/min; ISO 178
Flexural Modulus	1.80 GPa	261 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	14.0 kJ/m ²	6.66 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	1.70 J/cm ²	8.09 ft-lb/in ²	ISO 179
Impact	11.0	11.0	Impact Flexural Test Notched (KJ/m ²)
	110	110	Impact Flexural Test Unnotched (KJ/m ²)

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	83.0 °C	181 °F	unannealed; ISO 75
	97.0 °C	207 °F	annealed; ISO 75
Vicat Softening Point	85.0 °C	185 °F	50°C/hr; ISO 306

Thermal Properties	@Load 5.00 kg Metric	@Load 11.0 lb English	Comments
	88.0 °C	190 °F	120°C/hr; ISO 306
	@Load 5.00 kg	@Load 11.0 lb	
	99.0 °C	210 °F	50°C/hr; ISO 306
	@Load 1.00 kg	@Load 2.20 lb	
	99.0 °C	210 °F	120°C/hr; ISO 306
	@Load 1.00 kg	@Load 2.20 lb	
Flammability, UL94	V-0	V-0	UL 94
	@Thickness 2.54 mm	@Thickness 0.100 in	
	5VA	5VA	UL 94
	@Thickness 3.17 mm	@Thickness 0.125 in	

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