

Chi Mei Poly lac® PA-763 ABS - Flame Retardant

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

Material Notes:

F.R. High Heat Weather Resistant

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chi-Mei-Poly lac-PA-763-ABS-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in ³	ISO 1183
Melt Flow	30 g/10 min @Load 10.0 kg, Temperature 220 °C	30 g/10 min @Load 22.0 lb, Temperature 428 °F	Melt Volume Rate (ml/10 min); ISO 1133

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	80.0 MPa	11600 psi	H358/30; ISO 2039-1
Tensile Strength at Break	32.0 MPa	4640 psi	50 mm/min; ISO 527
Tensile Strength, Yield	41.0 MPa	5950 psi	50 mm/min; ISO 527
Elongation at Break	15 %	15 %	50 mm/min; ISO 527
Flexural Strength	59.0 MPa	8560 psi	2 mm/min; ISO 178
Flexural Modulus	20.0 GPa	2900 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	20.0 kJ/m ²	9.52 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	2.00 J/cm ²	9.52 ft-lb/in ²	ISO 179
Impact	13.0	13.0	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)	86.0 °C	187 °F	unannealed; ISO 75
	96.0 °C	205 °F	annealed; ISO 75
Vicat Softening Point	96.0 °C	205 °F	50°C/hr; ISO 306

Thermal Properties	@Load 5.00 kg Metric	@Load 11.0 lb English	Comments
	97.0 °C	207 °F	120°C/hr; ISO 306
	@Load 5.00 kg	@Load 11.0 lb	
	103 °C	217 °F	50°C/hr; ISO 306
	@Load 1.00 kg	@Load 2.20 lb	
	104 °C	219 °F	120°C/hr; ISO 306
	@Load 1.00 kg	@Load 2.20 lb	
Flammability, UL94	V-0	V-0	UL 94
	@Thickness 1.59 mm	@Thickness 0.0625 in	
	5VB	5VB	UL 94
	@Thickness 2.54 mm	@Thickness 0.100 in	

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