

Chi Mei Wonderloy® PC-385 PC/ABS Alloy

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

Material Notes:

Ultra-high Heat, Ultra-high Impact

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chi-Mei-Wonderloy-PC-385-PCABS-Alloy.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ISO 1183
Melt Flow	17 g/10 min @Load 1.20 kg, Temperature 300 °C	17 g/10 min @Load 2.65 lb, Temperature 572 °F	Melt Volume Rate (ml/10 min); ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	46.0 MPa	6670 psi	50 mm/min; ISO 527
Tensile Strength, Yield	50.0 MPa	7250 psi	50 mm/min; ISO 527
Elongation at Break	85 %	85 %	50 mm/min; ISO 527
Flexural Strength	80.0 MPa	11600 psi	2 mm/min; ISO 178
Flexural Modulus	2.35 GPa	341 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	55.0 kJ/m ²	26.2 ft-lb/in ²	ISO 180/4A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	108 °C	226 °F	annealed; ISO 75
	119 °C	246 °F	unannealed; ISO 75
Vicat Softening Point	129 °C @Load 5.00 kg	264 °F @Load 11.0 lb	50°C/hr; ISO 306
	139 °C @Load 1.00 kg	282 °F @Load 2.20 lb	50°C/hr; ISO 306
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0590 in	

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