

Chi Mei Wonderloy® PC-365 PC/ABS Alloy

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

Material Notes:

High Heat, High Impact

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chi-Mei-Wonderloy-PC-365-PCABS-Alloy.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	ISO 1183
Melt Flow	16 g/10 min @Load 1.20 kg, Temperature 300 °C	16 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	80 %	80 %	50 mm/min; ISO 527
Flexural Strength	80.0 MPa	11600 psi	2 mm/min; ISO 178
Flexural Modulus	2.30 GPa	334 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	45.0 kJ/m ²	21.4 ft-lb/in ²	ISO 180/4A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	106 °C	223 °F	annealed; ISO 75
	117 °C	243 °F	unannealed; ISO 75
Vicat Softening Point	123 °C @Load 5.00 kg	253 °F @Load 11.0 lb	50°C/hr; ISO 306
	136 °C @Load 1.00 kg	277 °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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