

## Chi Mei Wonderloy® PC-345 PC/ABS Alloy

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

**Material Notes:**

High Flow

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Chi-Mei-Wonderloy-PC-345-PCABS-Alloy.php](http://www.lookpolymers.com/polymer_Chi-Mei-Wonderloy-PC-345-PCABS-Alloy.php)

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in <sup>3</sup>	ISO 1183
Melt Flow	13 g/10 min @Load 1.20 kg, Temperature 300 °C	13 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	39.0 MPa	5660 psi	50 mm/min; ISO 527
Tensile Strength, Yield	45.0 MPa	6530 psi	50 mm/min; ISO 527
Elongation at Break	80 %	80 %	50 mm/min; ISO 527
Flexural Strength	75.0 MPa	10900 psi	2 mm/min; ISO 178
Flexural Modulus	2.30 GPa	334 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	39.0 kJ/m <sup>2</sup>	18.6 ft-lb/in <sup>2</sup>	ISO 180/4A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	95.0 °C	203 °F	annealed; ISO 75
	106 °C	223 °F	unannealed; ISO 75
Vicat Softening Point	110 °C @Load 5.00 kg	230 °F @Load 11.0 lb	50°C/hr; ISO 306
	125 °C @Load 1.00 kg	257 °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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