

## Chi Mei Wonderloy® PC-540 PC/ABS Alloy - Flame Retardant

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

### Material Notes:

High Heat

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Chi-Mei-Wonderloy-PC-540-PCABS-Alloy-Flame-Retardant.php](http://www.lookpolymers.com/polymer_Chi-Mei-Wonderloy-PC-540-PCABS-Alloy-Flame-Retardant.php)

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in <sup>3</sup>	ISO 1183
Melt Flow	23.5 g/10 min @Load 1.20 kg, Temperature 300 °C	23.5 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	53.0 MPa	7690 psi	50 mm/min; ISO 527
Tensile Strength, Yield	64.0 MPa	9280 psi	50 mm/min; ISO 527
Elongation at Break	95 %	95 %	50 mm/min; ISO 527
Flexural Strength	98.0 MPa	14200 psi	2 mm/min; ISO 178
Flexural Modulus	2.50 GPa	363 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	43.0 kJ/m <sup>2</sup>	20.5 ft-lb/in <sup>2</sup>	ISO 180/4A
Charpy Impact, Notched	2.50 J/cm <sup>2</sup>	11.9 ft-lb/in <sup>2</sup>	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	85.0 °C	185 °F	annealed; ISO 75
	96.0 °C	205 °F	unannealed; ISO 75
Vicat Softening Point	99.0 °C @Load 5.00 kg	210 °F @Load 11.0 lb	50°C/hr; ISO 306
	106 °C @Load 1.00 kg	223 °F @Load 2.20 lb	50°C/hr; ISO 306
Flammability, UL94	V-0	V-0	
	@Thickness 1.50 mm	@Thickness 0.0590 in	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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