

Chi Mei Wonderloy® PC-510 PC/ABS Alloy - Flame Retardant

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-510-PCABS-Alloy-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in ³	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	45.0 MPa	6530 psi	50 mm/min; ISO 527
Tensile Strength, Yield	57.0 MPa	8270 psi	50 mm/min; ISO 527
Elongation at Break	55 %	55 %	50 mm/min; ISO 527
Flexural Strength	91.0 MPa	13200 psi	2 mm/min; ISO 178
Flexural Modulus	2.60 GPa	377 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	50.0 kJ/m ²	23.8 ft-lb/in ²	ISO 180/4A
Charpy Impact, Notched	3.10 J/cm ²	14.8 ft-lb/in ²	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	76.0 °C	169 °F	annealed; ISO 75
	87.0 °C	189 °F	unannealed; ISO 75
Vicat Softening Point	88.0 °C @Load 5.00 kg	190 °F @Load 11.0 lb	50°C/hr; ISO 306
	95.0 °C @Load 1.00 kg	203 °F @Load 2.20 lb	50°C/hr; ISO 306
Flammability, UL94	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0590 in	

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