

# Chi Mei Wonderloy® PC-345KP

Features: High impact, High stiffness, High strength, Resistance to carbon tetrachloride, General purpose grade, Platable  
 Application: Auto dashboard bracket, Automotive Interior Trim, Automotive central control panel, Automotive door & window parts, Automotive handle, Automotive hub cover, Automotive parts, Automotive trim strip, Radiator front cover, Office Applications, Outdoor Activities Applications, E & E housing, Toys parts, Construction Applications, Home Appliances Applications

Physical property		Standard	Value	Unit
Density	23°C	ISO 1183	1.1	g/cm <sup>3</sup>
Melt Index	260°C 5kg	ISO 1133	15	cm <sup>3</sup> /10min
Hardness		Standard	Value	Unit
Rockwell Hardness	12.7mm	ASTM D785	115	
Mechanical behavior		Standard	Value	Unit
Tensile Strength	50mm/min	ISO 527	46	MPa
Elongation	50mm/min	ISO 527	90	%
Flexural Strength	2.0mm/min	ISO 178	65	MPa
Flexural Modulus	2.0mm/min	ISO 178	2.1	GPa
Izod Notch Impact	23°C 4.0mm	ISO 180	40	kJ/m <sup>2</sup>
Charpy Notch Impact	23°C 4.0mm	ISO 179	42	kJ/m <sup>2</sup>
Thermal		Standard	Value	Unit
HDT	Unannealed 1.8MPa	ISO 75	95	°C
HDT	Unannealed 0.45MPa	ISO 75	112	°C
Vicat Softening Temperature	50°C/hr 10N	ISO 306	130	°C
Vicat Softening Temperature	50°C/hr 50N	ISO 306	112	°C
Flammability		Standard	Value	Unit
Flame Rating	All Color 1.5mm	UL94	HB	
Flame Rating	All Color 3.0mm	UL94	HB	