

Chi Mei Wonderloy® PC-345KZ

Features: Medium flow; High impact; General purpose grade
Application: General purpose

Physical property		Standard	Value	Unit
Density	23°C	ISO 1183	1.1	g/cm ³
Melt Index	260°C 5kg	ISO 1133	20	cm ³ /10min
Hardness		Standard	Value	Unit
Rockwell Hardness	12.7mm	ASTM D785	112	
Mechanical behavior		Standard	Value	Unit
Tensile Strength	50mm/min	ISO 527	50	MPa
Elongation	50mm/min	ISO 527	100	%
Flexural Strength	2.0mm/min	ISO 178	75	MPa
Flexural Modulus	2.0mm/min	ISO 178	2.2	GPa
Izod Notch Impact	23°C 4.0mm	ISO 180	40	kJ/m ²
Charpy Notch Impact	23°C 4.0mm	ISO 179	42	kJ/m ²
Thermal		Standard	Value	Unit
HDT	Unannealed 1.8MPa	ISO 75	95	°C
HDT	Unannealed 0.45MPa	ISO 75	110	°C
Vicat Softening Temperature	50°C/hr 10N	ISO 306	127	°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	