

# Chi Mei Wonderloy<sup>®</sup> PC-385KZ

Features: Super high impact; General purpose grade

Application: General purpose

Physical property		Standard	Value	Unit
Density	23°C	ISO 1183	1.15	g/cm <sup>3</sup>
Melt Index	260°C 5kg	ISO 1133	18	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	58	MPa
Elongation	50mm/min	ISO 527	140	%
Flexural Strength	2.0mm/min	ISO 178	80	MPa
Flexural Modulus	2.0mm/min	ISO 178	2.3	GPa
Izod Notch Impact	23°C 4.0mm	ISO 180	50	kJ/m <sup>2</sup>
Charpy Notch Impact	23°C 4.0mm	ISO 179	52	kJ/m <sup>2</sup>
Thermal		Standard	Value	Unit
HDT	Unannealed 1.8MPa	ISO 75	110	°C
HDT	Unannealed 0.45MPa	ISO 75	130	°C
Vicat Softening Temperature	50°C/hr 10N	ISO 306	143	°C
Vicat Softening Temperature	50°C/hr 50N	ISO 306	133	°C
Flammability		Standard	Value	Unit
Flame Rating	All Color 1.5mm	UL94	HB	
Flame Rating	All Color 3.0mm	UL94	HB	