

Chi Mei Wonderloy[®] PC-540K

Manufacturer: Zhenjiang ChiMei CO.,LTD

Physical property		Standard	Value	Unit
Density	23°C	ISO 1183	1.18	g/cm ³
Shrinkage		ISO 2577	0.4~0.6	%
Melt Index	260°C 2.16kg	ISO 1133	13	cm ³ /10min
Hardness		Standard	Value	Unit
Rockwell Hardness	R(Scale) 23°C	ISO 2039	119	
Mechanical behavior		Standard	Value	Unit
Tensile Strength	Yield 50mm/min	ISO 527	63	MPa
Tensile Strength	Break 50mm/min	ISO 527	55	MPa
Elongation	Yield 50mm/min	ISO 527	4	%
Elongation	Break 50mm/min	ISO 527	130	%
Izod Notch Impact	23°C 3.2mm	ISO 180	55	kJ/m ²
Izod Notch Impact	-30°C 3.2mm	ISO 180	16	kJ/m ²
Charpy Notch Impact	23°C 3.2mm	ISO 179	55	kJ/m ²
Charpy Notch Impact	-30°C 3.2mm	ISO 179	16	kJ/m ²
Thermal		Standard	Value	Unit
HDT	Unannealed 1.8MPa 4.0mm	ISO 75	86	°C
HDT	Unannealed 0.45MPa 4.0mm	ISO 75	95	°C
Vicat Softening Temperature	Unannealed 50°C/hr 10N	ISO 306	112	°C
Vicat Softening Temperature	Unannealed 50°C/hr 50N	ISO 306	105	°C
CLE	Flow 23~55°C	ISO 11359	0.00008	cm/cm/°C
Electrical properties		Standard	Value	Unit
Volume Resistivity		IEC 60093	3.9E+15	Ω.m
Surface Resistivity		IEC 60093	2.9E+15	Ω
Dielectric Constant	1MHz	IEC 60250	3.1	
Flammability		Standard	Value	Unit
Flame Rating	All Color 0.75mm	UL94	HB	
Flame Rating	All Color 0.8mm	UL94	V-2	
Flame Rating	All Color 1.5mm	UL94	V-0	
Flame Rating	All Color 2.0mm	UL94	V-0 5VB	
Flame Rating	All Color 3.0mm	UL94	V-0 5VA	