

CHIMEI

奇美實業股份有限公司
CHI MEI CORPORATION

台南市仁德區三甲里 59-1 號
59-1, San Chia, Jen Te, Tainan City 71702, Taiwan
TEL: 886-6-266-5000 FAX: 886-6-266-5555~7

WONDERLOY® PC-345

PC/ABS alloy, High flow

PROPERTIES	CONDITION	VALUE	UNIT	METHOD
<u>PHYSICAL</u>				
Melt Flow Index	260℃/5kg	19	g/10min	ASTM D-1238
Spiral Flow Length	260℃ ,2mm V:50%, P:50%	43	cm	Chimei method
Specific Gravity	23℃	1.10	---	ASTM D-792
Mold Shrinkage		0.4~0.6	%	ASTM D-955
Rockwell Hardness	23℃	R-108	---	ASTM D-785
CLTE	Flow:23-55℃	8.50E-05	cm/cm/℃	ISO11359-2
<u>MECHANICAL</u>				
Tensile Strength @ Yield	50mm/min	500	kg/cm ²	ASTM D-638
Tensile Strength @ Break	50mm/min	-	kg/cm ²	ASTM D-638
Tensile Elongation @ Yield	50mm/min	-	%	ASTM D-638
Tensile Elongation @ Break	50mm/min	85	%	ASTM D-638
Flexural Strength	1.3mm/min	750	kg/cm ²	ASTM D-790
Flexural Modulus	1.3mm/min	23000	kg/cm ²	ASTM D-790
Izod Impact (1/8”)	Notched, 23℃	50	kg-cm/cm	ASTM D-256
Izod Impact (1/8”)	Notched,-30℃	45	kg-cm/cm	ASTM D-256
<u>THERMAL</u>				
Heat Distortion Temp. (unannealed)	3.2mm,1.82Mpa 120℃/hr	95	℃	ASTM D-648
	6.4mm,1.82Mpa 120℃/hr	105		
Vicat Softening Temp. (unannealed)	1kg, 50℃/hr	125	℃	ASTM D-1525
	5kg, 50℃/hr	110		
<u>ELECTRICAL</u>				
Dielectric Constant	1MHz	3.1	--	IEC 60250
Volume Resistivity	--	1E+16	Ohm*m	IEC 60093
Surface Resistivity	--	1E+16	Ohm	IEC 60093
<u>FLAMMABILITY</u>				
Flame Class Rating		1.5 mm HB		UL-94

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PROCESSING PARAMETERS

Drying Temperature	80~100	°C
Drying Time	4	Hrs
Barrel Temperature	230~270	°C
Mold Temperature	50~100	°C

All figures listed here is for reference, not guaranteed.

Final revised date : 2014/12

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