

CHIMEI

奇美實業股份有限公司
CHI MEI CORPORATION

WONDERLOY® PC-365

PC/ABS alloy, High heat, High impact.

PROPERTIES	CONDITION	VALUE	UNIT	METHOD
<u>PHYSICAL</u>				
Melt Flow Index	260°C/5kg	20	g/10min	ASTM D-1238
Spiral Flow Length	260°C, 2mm V:50%, P:50%	35	cm	Chimei method
Specific Gravity	23°C	1.13	---	ASTM D-792
Mold Shrinkage		0.4~0.6	%	ASTM D-955
Rockwell Hardness	23°C	R-115	---	ASTM D-785
CLTE	Flow:23-55°C	8.00E-05	cm/cm/°C	ISO11359-2
<u>MECHANICAL</u>				
Tensile Strength @ Yield	50mm/min	540	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	800	kg/cm ²	ASTM D-790
Flexural Modulus	1.3mm/min	23000	kg/cm ²	ASTM D-790
Izod Impact (1/8")	Notched, 23°C	55	kg-cm/cm	ASTM D-256
Izod Impact (1/8")	Notched, -30°C	50	kg-cm/cm	ASTM D-256
<u>THERMAL</u>				
Heat Distortion Temp. (unannealed)	3.2mm, 1.82Mpa 120°C/hr	106	°C	ASTM D-648
	6.4mm, 1.82Mpa 120°C/hr	115		
Vicat Softening Temp. (unannealed)	1kg, 50°C/hr	136	°C	ASTM D-1525
	5kg, 50°C/hr	125		
<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

CHIMEI

奇美實業股份有限公司
CHI MEI CORPORATION

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

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.