

# 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

## WONDERLITE® PC-6710

PC, Flame Retardant, available in transparent

PROPERTIES	CONDITION	VALUE	UNIT	METHOD
<b><u>PHYSICAL</u></b>				
Melt Flow Index	300℃/1.2kg	10	g/10min	ASTM D-1238
Specific Gravity	23℃	1.2	---	ASTM D-792
Mold Shrinkage		0.5~0.7	%	ASTM D-955
Rockwell Hardness	23℃	R-123	---	ASTM D-785
CLTE	Flow:23-55℃	6.80E-05	cm/cm/℃	ISO11359-2
<b><u>MECHANICAL</u></b>				
Tensile Strength @ Yield	50mm/min	630	kg/cm <sup>2</sup>	ASTM D-638
Tensile Elongation @ Break	50mm/min	100	%	ASTM D-638
Flexural Strength	1.3mm/min	900	kg/cm <sup>2</sup>	ASTM D-790
Flexural Modulus	1.3mm/min	22000	kg/cm <sup>2</sup>	ASTM D-790
Izod Impact ( 1/8”)	Notched, 23℃	70	kg-cm/cm	ASTM D-256
Izod Impact ( 1/8”)	Notched, -30℃	15	kg-cm/cm	ASTM D-256
<b><u>THERMAL</u></b>				
Heat Distortion Temp. ( unannealed )	3.2mm,1.82Mpa 120℃/hr	125	℃	ASTM D-648
	6.4mm,1.82Mpa 120℃/hr	135		
Vicat Softening Temp. ( unannealed )	1kg, 50℃/hr	150	℃	ASTM D-1525
	5kg, 50℃/hr	145		
<b><u>OPTICAL</u></b>				
Light Transmission	2mm	>87	%	ASTM D-1003
Haze	2mm	<1.2	%	ASTM D-1003
<b><u>ELECTRICAL</u></b>				
Dielectric Constant	1MHz	3	--	IEC 60250
Volume Resistivity	--	1E+16	Ohm*m	IEC 60093
Surface Resistivity	--	1E+16	Ohm	IEC 60093
<b><u>FLAMMABILITY</u></b>				
Flame Rating_V0		2.5	mm	UL-94

# 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

---

## PROCESSING PARAMETERS

Drying Temperature	120	°C
Drying Time	4	Hrs
Barrel Temperature	280~310	°C
Mold Temperature	70~100	°C

---

All figures listed here is for reference, not guaranteed.

Final revised date : 2014/6

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.