

CHIMEI

奇美實業股份有限公司
CHI MEI CORPORATION

WONDERLITE[®] PC-6710

PC, Flame Retardant, available in transparent

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

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PROCESSING PARAMETERS

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