

CHIMEI

奇美實業股份有限公司
CHI MEI CORPORATION

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WONDERLITE® PC-6710

透明無鹵阻燃 PC，可應用於導光柱、電器明板等應用

物性項目	條件	數值	單位	測試方法
物理特性				
熔融指數	300°C/1.2kg	10	g/10min	ASTM D-1238
比重	23°C	1.2	---	ASTM D-792
收縮率		0.5~0.7	%	ASTM D-955
洛式硬度	23°C	R-123	---	ASTM D-785
線膨脹係數	Flow:23-55°C	6.80E-05	cm/cm/°C	ISO11359-2
機械特性				
拉伸強度 @ Yield	50mm/min	630	kg/cm ²	ASTM D-638
延伸率 @ Break	50mm/min	100	%	ASTM D-638
彎曲強度	1.3mm/min	900	kg/cm ²	ASTM D-790
彎曲模量	1.3mm/min	22000	kg/cm ²	ASTM D-790
Izod 衝擊強度 (1/8")	Notched, 23°C	70	kg-cm/cm	ASTM D-256
Izod 衝擊強度 (1/8")	Notched, -30°C	15	kg-cm/cm	ASTM D-256
耐熱性質				
熱變形溫度 (未退火)	3.2mm,1.82Mpa 120°C/hr	125	°C	ASTM D-648
	6.4mm,1.82Mpa 120°C/hr	135		
維卡軟化點 (未退火)	1kg, 50°C/hr	150	°C	ASTM D-1525
	5kg, 50°C/hr	145		
光學特性 OPTICAL				
光穿透度	2mm	>87	%	ASTM D-1003
霧度	2mm	<1.2	%	ASTM D-1003

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電器性質

介電常數	1MHz	3	--	IEC 60250
體積阻抗	--	1E+16	Ohm*m	IEC 60093
表面阻抗	--	1E+16	Ohm	IEC 60093

阻燃性

防火等級_V0	2.5	mm	UL-94
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建議加工條件

烘料溫度	120	°C
烘料時間	4	Hrs
料管溫度	280~310	°C
模具溫度	70~100	°C

All figures listed here is for reference, not guaranteed.

Final revised date : 2014/6

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