

GC113 / GC114(黑色和白色/BK&WT, CEM-3)

特点

- 不透明，遮光性和耐泛黄性好。
- 优秀的机械加工性，可冲孔加工。
- 加工工艺与FR-4相同。

应用领域

- 非常适合制作LED显示用印制线路板。

FEATURES

- Opaque, light shading and good color-change resistance.
- Excellent mechanical processability, punching process applicable, longer drill bit life up to 2-5 times.
- PCB processing similar to FR-4.

APPLICATIONS

- Especially suitable for making PCB for LED display

GENERAL PROPERTIES

Test Item	Treatment Condition	Unit	Property Data	
			SPEC	Typical Value
Tg	DSC	°C	-	120
Flammability	C-48/23/50	-	94V-0	94V-0
	E-24/125+des			
Volume Resistivity	After moisture resistance	MΩ-cm	≥ 10 ³	10 ⁶
	E-24/125		≥ 10 ³	10 ⁵
Surface Resistivity	After moisture resistance	MΩ	≥ 10 ³	10 ⁶
	E-24/125		≥ 10 ³	10 ⁵
Arc Resistance	D-48/50+D-0.5/23	S	≥ 60	80
Dielectric Breakdown	D-48/50+D-0.5/23	KV	≥ 40	50
Dielectric Constant (1MHz)	C-24/23/50	-	≤ 5.4	4.6
Dissipation Factor (1MHz)	C-24/23/50	-	≤ 0.035	0.020
Thermal Stress	Unetched	260°C, solder dip	≥ 10s No delamination	≥ 10s No delamination
	Etched			
Peel Strength	Hoz	260°C, 10s	≥ 6.0	7.0
		125°C	≥ 4.0	5.0
Flexural Strength	LW	A	≥ 276	425
	CW		≥ 186	320
Moisture Absorption	D-24/23	%	≤ 0.35	0.20
CTI	IEC60112 Method	V	175-250 (III)	175

Specimen Thickness:1.6mm

Explanations: C = Humidity conditioning;

D = Immersion conditioning in distilled water;

E = Temperature conditioning.

The figures following the letter symbols indicate with the first digit the duration of the preconditioning in hours, with the second digit the preconditioning temperature in °C and with the third digit the relative humidity.

The above statistics are the reference value of performance of A Grade CCL. Values of CCL of other grades will be attached separately.

