

S2136

(ANSI:CEM-3) CEM-3 for LED Display

特点

- 基材白色，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。
- 电性能约FR-4相当，加工工艺与FR-4相同。

FEATURES

- White and opaque with good color-change resistance.
- Excellent mechanical processability, punching process applicable, longer drill bit life up to 2-5 times.
- Electrical properties and PCB processing similar to FR-4.

应用领域

非常适合制作LED显示用印制线路板。

APPLICATIONS

Especially suitable for making PCB for LED display.

GENERAL PROPERTIES

Test Item	Treatment Condition	Unit	Property Data	
			SPEC	Typical Value
Tg	DSC		-	132
Flammability	C-48/23/50	-	V-0	V-0
	E-24/125			
Volume Resistivity	C-96/35/90	M -cm	10^6	5×10^8
	E-24/125		10^3	5×10^6
Surface Resistivity	C-96/35/90	M	10^4	5×10^7
	E-24/125		10^3	5×10^6
Arc Resistance	D-48/50+D-0.5/23	S	60	115
Dielectric Breakdown	D-48/50+D-0.5/23	KV	40	55
Dielectric Constant (1MHz)	C-24/23/50	-	5.4	4.7
Dissipation Factor (1MHz)	C-24/23/50	-	0.035	0.016
Thermal Stress	Unetched	260 ,20s	No delamination	288 / 20s No delamination
	Etched			
Peel Strength	1oz	260 ,10s	N/mm	1.05
	Cu. Foil			
Flexural Strength	LW	A	MPa	276
	CW			186
Water Absorption	D-24/23	%	0.35	0.12
CTE z-axis	Before Tg	TMA	$\mu\text{m/m}$	-
	After Tg		$\mu\text{m/m}$	46
				334

Specimen Thickness:1.6mm

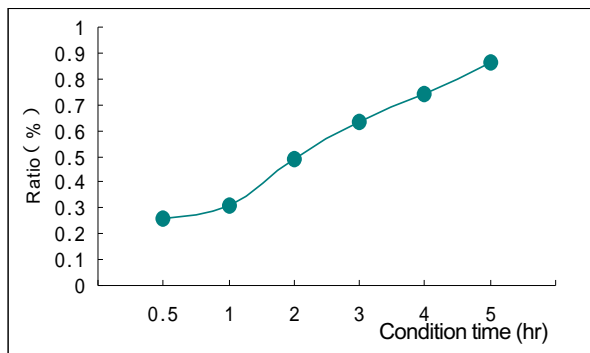
Explanations: C = Humidity conditioning;
D = Immersion conditioning in distilled water;
E = Temperature conditioning.

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 and with the third digit the relative humidity.

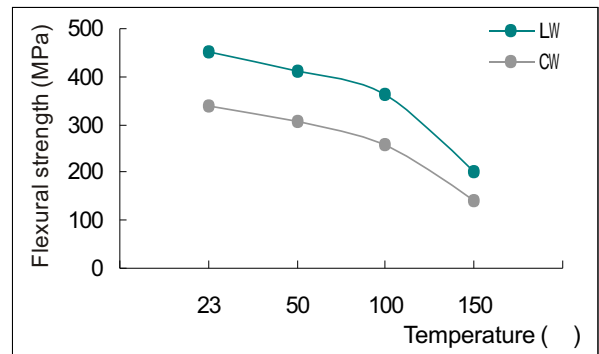
S2136

(ANSI:CEM-3) CEM-3 for LED Display

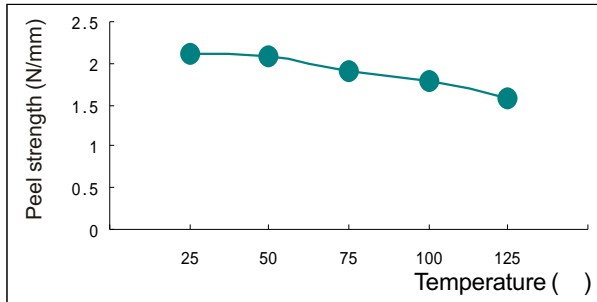
Water absorption at pressure cooker



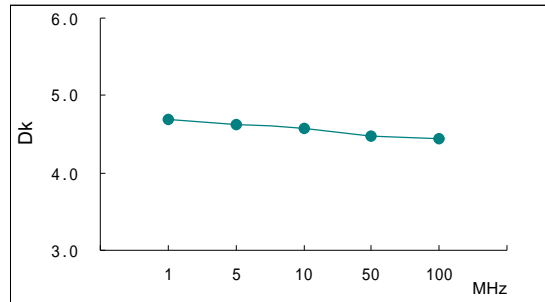
Flexural strength



Peel strength



Dielectric constant



PURCHASING INFORMATION

Thickness	Copper foil	Standard Size	
0.6mm to 3.2mm	18 μm to 105 μm	1,020 × 1,220mm (40 × 48)	915 × 1,220mm (36 × 48)
		1,070 × 1,220mm (42 × 48)	

❖ Other sheet size and thickness could be available upon request.