

S2132

(ANSI:CEM-3) CEM-3 for Color TV

特点

- 优秀的机械加工性，可冲孔加工，钻孔加工钻头使用寿命可延长 2-5倍。
- 优秀的介电性能，介电常数（1MHz）3.9-4.3。
- 电性能与FR-4相当，加工工艺与FR-4相同。

FEATURES

- Excellent mechanical processability, punching process applicable, longer drill bit life up to 2-5 times.
- Superior dielectric performance .
- Electrical properties and PCB processing similar to FR-4.

应用领域

非常适用于彩电用高频头和接收器。

APPLICATIONS

Especially suitable for tuner for color TV and receiver.

GENERAL PROPERTIES

Test Item	Treatment Condition	Unit	Property Data	
			SPEC	Typical Value
Tg	DSC	°C	-	135
Flammability	C-48/23/50	-	V-0	V-0
	E-24/125			
Volume Resistivity	C-96/35/90	MΩ-cm	≥ 10 ⁶	5×10 ⁸
	E-24/125		≥ 10 ³	5×10 ⁶
Surface Resistivity	C-96/35/90	MΩ	≥ 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	4.1
Dissipation Factor (1MHz)	C-24/23/50	-	≤ 0.035	0.018
Thermal Stress	Unetched	260°C, 20s	-	No delamination
	Etched			
Peel Strength	1oz	260°C, 10s	N/mm	≥ 1.05
	Cu. Foil			105°C
Flexural Strength	LW	A	MPa	≥ 276
	CW			≥ 186
Water Absorption	D-24/23	%	≤ 0.35	0.11
CTE z-axis	Before Tg	TMA	μm/m°C	46
	After Tg		μm/m°C	334

Specimen Thickness:1.6mm

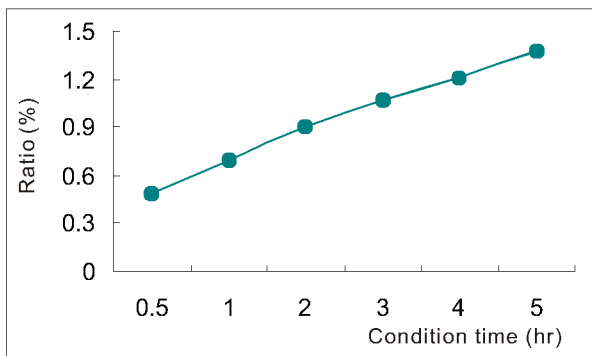
Explanations: C = Humidity conditioning;
D = Immersion conditioning in distilled water;
E = Temperature conditioning.

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 °C and with the third digit the relative humidity.

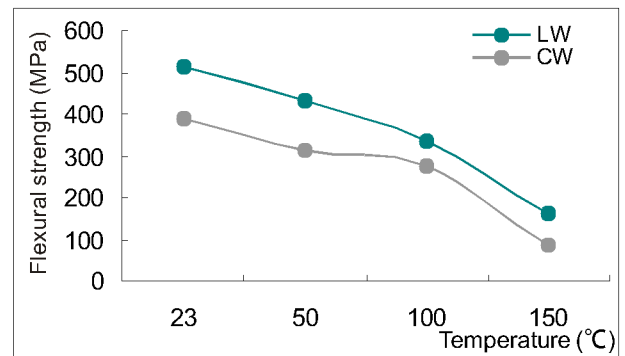
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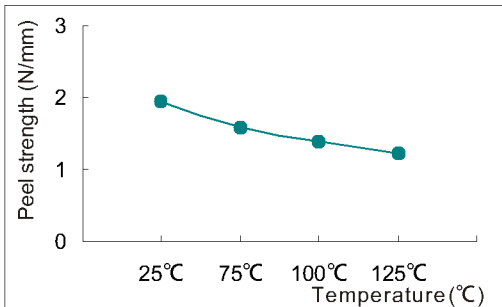
Water absorption at pressure cooker



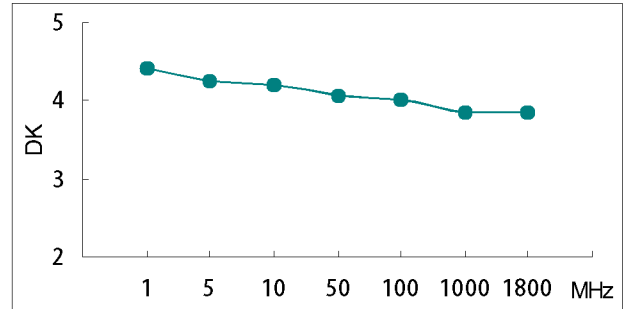
Flexural strength



Peel strength



Dielectric constant



PURCHASING INFORMATION

Thickness	Copper foil	Standard Size	
		0.6mm to 3.2mm	18 μ m to 105 μ m

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