

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		-	135
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	4.1
Dissipation Factor (1MHz)	C-24/23/50	-	0.035	0.018
Thermal Stress	Unetched	260 ,20s	No delamination	288 / 20s No delamination
	Etched			
Peel Strength	1oz Cu. Foil	260 ,10s	N/mm	1.05
Flexural Strength	LW	A	MPa	276
	CW			186
Water Absorption	D-24/23	%	0.35	0.11
CTE z-axis	Before Tg	TMA	$\mu\text{m/m}$	46
	After Tg		$\mu\text{m/m}$	334

Specimen Thickness:1.6mm

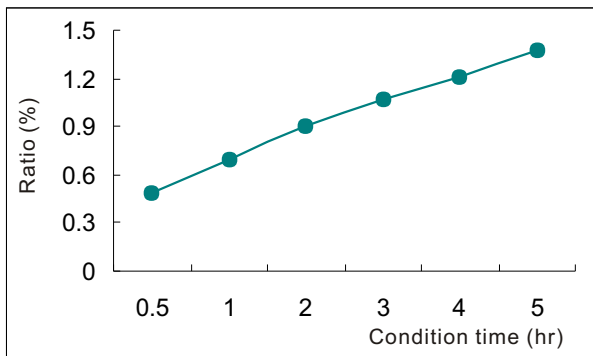
Explanations: C = Humidity conditioning;
D = Immersion conditioning in distilled water;
E = Temperature conditioning.

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.

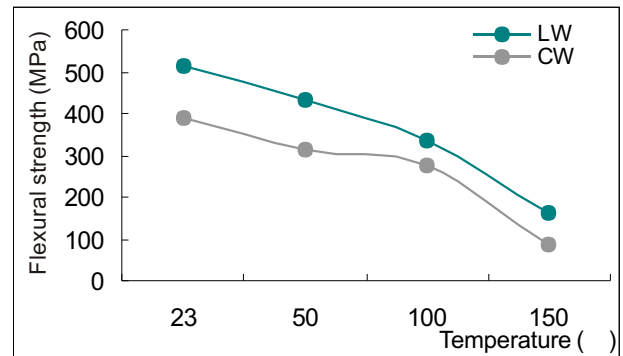
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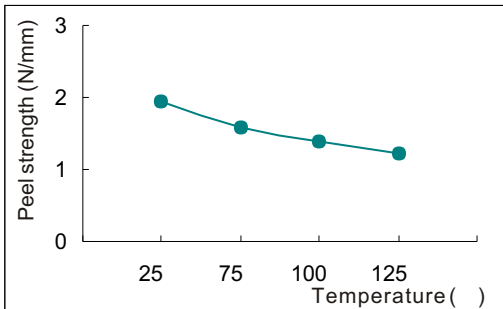
Water absorption at pressure cooker



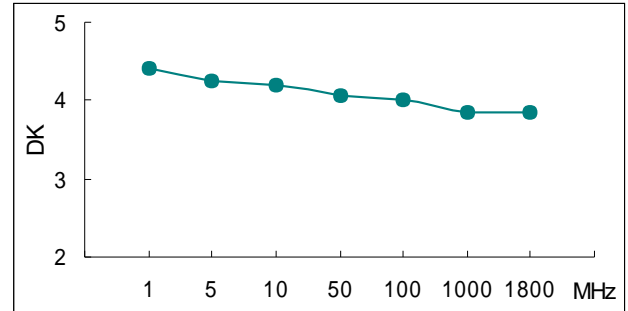
Flexural strength



Peel strength



Dielectric constant



PURCHASING INFORMATION

Thickness	Copper foil	Standard Size	
0.6mm to 3.2mm	18 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.