

S2131

(ANSI:CEM-3) UV Blocking

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。
- UV Blocking与 AOI兼容，可提高PCB生产效率。
- 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.
- UV Blocking and AOI compatible.
- Electrical properties and PCB processing similar to FR-4.

应用领域

仪器仪表、信息家电、汽车电子、自动柜员机、摄像机等。

APPLICATIONS

Test & measurement equipment, information Home Appliances, Cas electronics, ATM, VCR, etc.

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	4.5
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 Cu. Foil	260 ,10s 105	N/mm	1.05 0.70
Flexural Strength	LW	A	MPa	276 186
	CW			
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

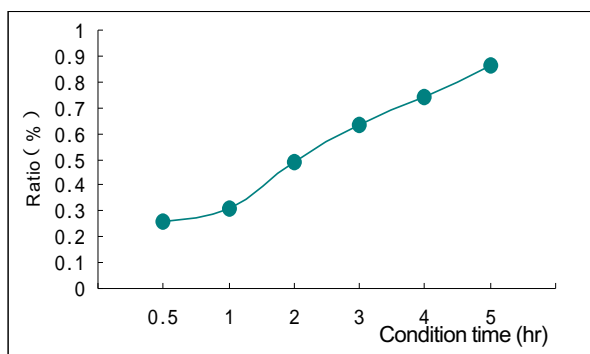
Explanations: C = Humidity conditioning;
D = Immersion conditioning in distilled water;
E = Temperature conditioning.

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.

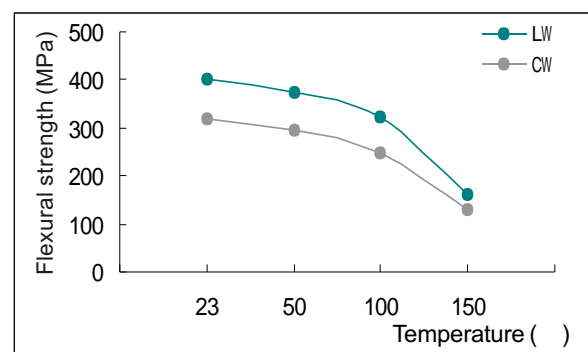
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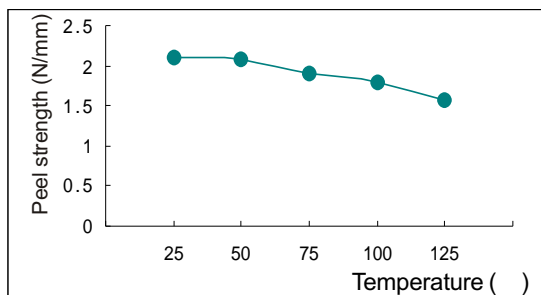
Water absorption at pressure cooker



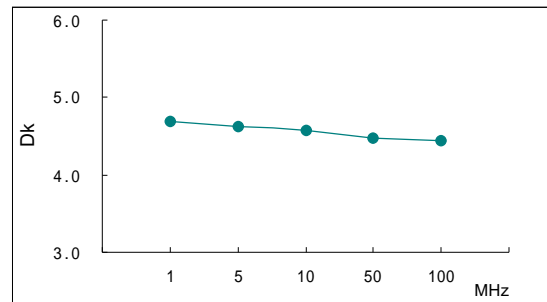
Flexural strength



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.