

S2600

(ANSI:CEM-3) High CTI

特点

- 优异的耐漏电起痕性，CTI 600。
- 优秀的机械加工性，可冲孔加工。
- 电性能与FR-4相当，加工工艺与FR-4相同。

FEATURES

- Excellent tracking resistance, CTI 600.
- Electrical mechanical processability, punching process applicable, lower bit wearing while drilling.
- Electrical properties and PCB processing similar to FR-4.

应用领域

电源基板、电视机、冰箱、洗衣机等。

APPLICATIONS

Power supply, TV, refrigerator, washing machine, 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	129
Dielectric Breakdown	D-48/50+D-0.5/23	KV	40	55
Dielectric Constant (1MHz)	C-24/23/50	-	5.4	4.6
Dissipation Factor (1MHz)	C-24/23/50	-	0.035	0.016
Thermal Stress	Unetched	260 ,20s	-	No delamination
	Etched			
Peel Strength	1oz Cu. Foil	260 ,10s	N/mm	1.05
		105		0.70
Flexural Strength	LW	A	MPa	276
	CW			186
Water Absorption	D-24/23	%	0.35	0.1
CTI	IEC60112 Method	V	600	600
CTE z-axis	Before Tg	TMA	μ m/m	46
			After Tg	μ m/m

Specimen Thickness:1.6mm

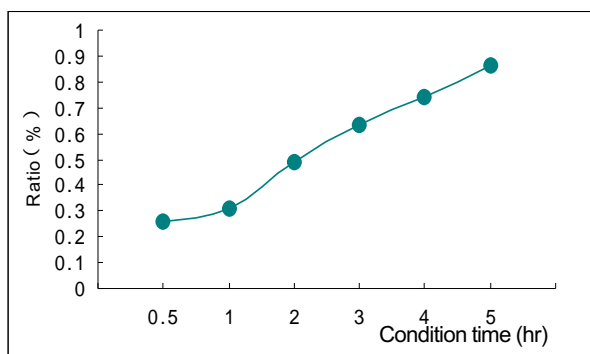
Explanations: C = Humidity conditioning;
D = Immersion conditioning in distilled water;
E = Temperature conditioning.

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.

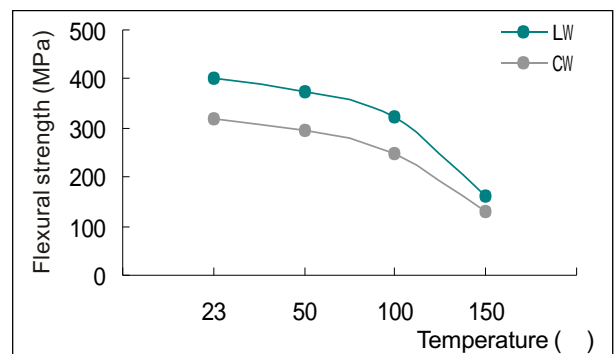
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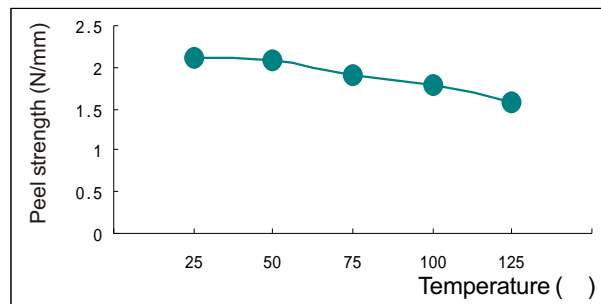
Water absorption at pressure cooker



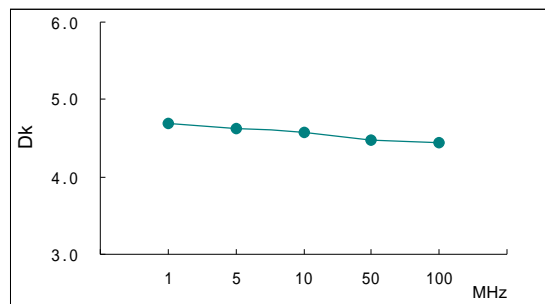
Flexural strength



Peel strength



Dielectric constant



PURCHASING INFORMATION

Thickness	Copper foil	Standard Size
0.07mm 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.