

# 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	°C	-	132	
Flammability	C-48/23/50	-	V-0	V-0	
	E-24/125				
Volume Resistivity	C-96/35/90	MΩ-cm	≥ 10 <sup>6</sup>	5×10 <sup>8</sup>	
	E-24/125		≥ 10 <sup>3</sup>	5×10 <sup>6</sup>	
Surface Resistivity	C-96/35/90	MΩ	≥ 10 <sup>4</sup>	5×10 <sup>7</sup>	
	E-24/125		≥ 10 <sup>3</sup>	5×10 <sup>6</sup>	
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 Etched	260°C, 20s	-	No delamination 288°C 20s No delamination	
Peel Strength	1oz Cu. Foil	260°C, 10s	N/mm	≥ 1.05	2.10
		105°C		≥ 0.70	1.70
Flexural Strength	LW CW	A	MPa	≥ 276	400
				≥ 186	315
Water Absorption	D-24/23	%	≤ 0.35	0.1	
CTI	IEC60112 Method	V	≥ 600	600	
CTE z-axis	Before Tg After Tg	TMA	μm/m°C	-	46
			μm/m°C	-	334

Specimen Thickness: 1.6mm

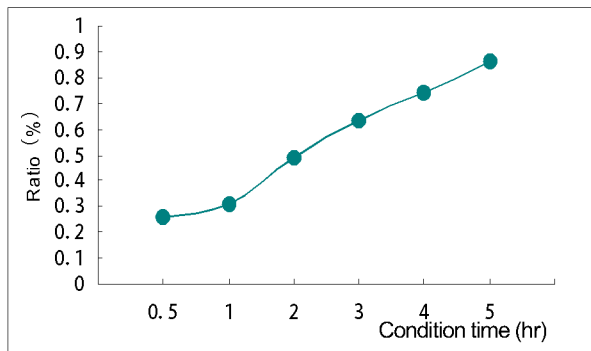
Explanations: C = Humidity conditioning;  
D = Immersion conditioning in distilled water;  
E = Temperature conditioning.

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.

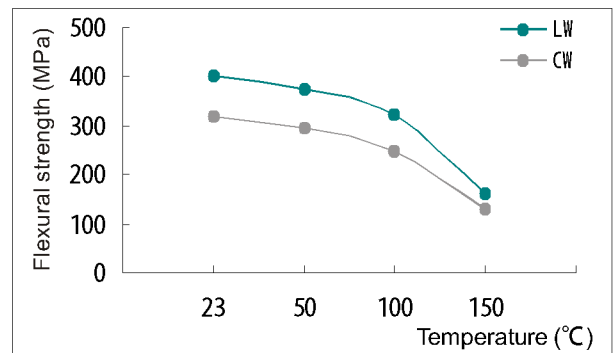
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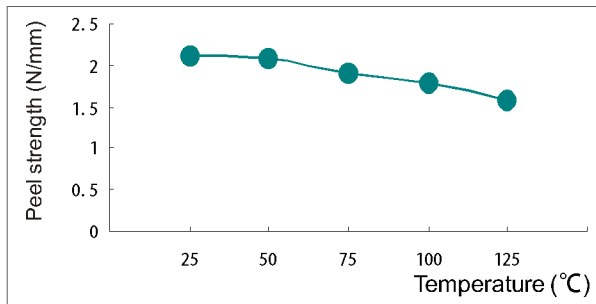
## Water absorption at pressure cooker



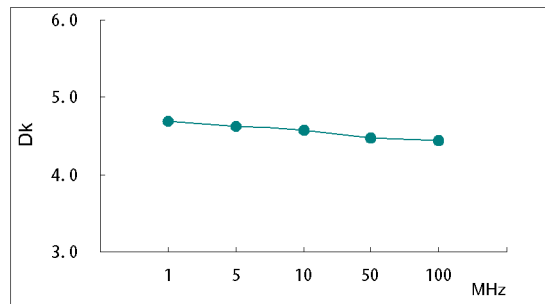
## Flexural strength



## Peel strength



## Dielectric constant



## PURCHASING INFORMATION

Thickness	Copper foil	Standard Size
0.07mm to 3.2mm	18 $\mu$ m to 105 $\mu$ m	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.