



# S2600

(ANSI:CEM-3) High CTI

## 特点

- 优异的耐漏电起痕性，CTI≥600V。
- 优秀的机械加工性。
- 电性能与FR-4相当。

## FEATURES

- Excellent tracking resistance, CTI≥600V.
- Excellent mechanical process ability.
- Electrical properties equivalent to FR-4.

## 应用领域

电源基板、电视机、冰箱、洗衣机等。

## APPLICATIONS

Power base board, TV, refrigerator, washing machine, and etc.

## GENERAL PROPERTIES

Test Item	Treatment Condition	Unit	Property Data	
			SPEC	Typical Value
Tg	DSC	°C	≥ 120	130
Flammability	C-48/23/50	-	V-0	V-0
	E-24/125			
Volume Resistivity	C-96/35/90	MΩ-cm	≥ 10 <sup>6</sup>	1.1×10 <sup>8</sup>
	E-24/125		≥ 10 <sup>3</sup>	3.4×10 <sup>6</sup>
Surface Resistivity	C-96/35/90	MΩ	≥ 10 <sup>4</sup>	1.6×10 <sup>7</sup>
	E-24/125		≥ 10 <sup>3</sup>	3.4×10 <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	288°C, solder dip	-	> 10s	30s
			No delamination	No delamination
Peel Strength	1oz	N/mm	≥ 1.05	1.9
	Cu. Foil		125°C	≥ 0.9
Flexural Strength	LW	MPa	≥ 276	400
	CW		≥ 186	315
Water Absorption	D-24/23	%	≤ 0.5	0.10
CTE z-axis	TMA	μ m/m°C	-	55
		μ m/m°C	-	290
		%	-	4.4
CTI	IEC60112 Method	V	≥600 (grade0)	600

Specimen Thickness:1.6mm

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

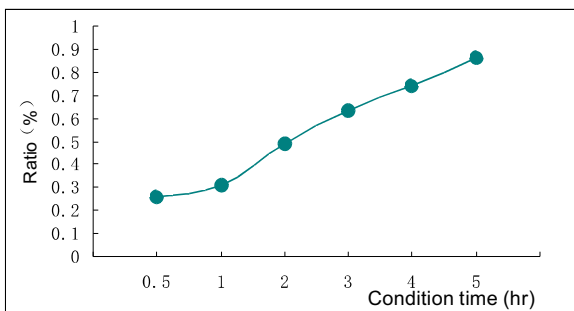
The figures following the letter symbols indicate with the first digit the duration of the preconditioning in hours, with the second digit the preconditioning temperature in °C and with the third digit the relative humidity.



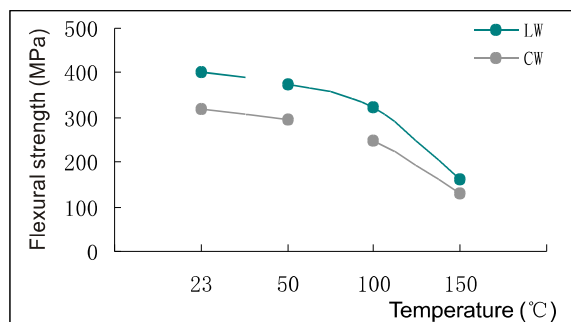
# S2600

(ANSI:CEM-3) High CTI

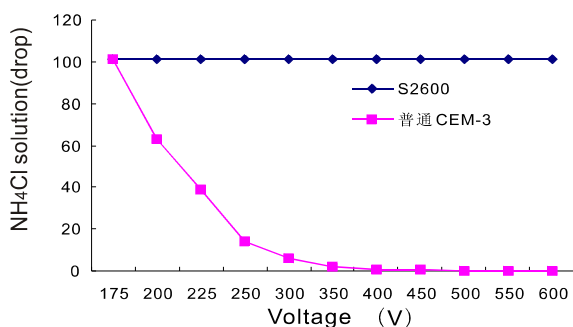
## Water absorption at pressure cooker



## Flexural strength



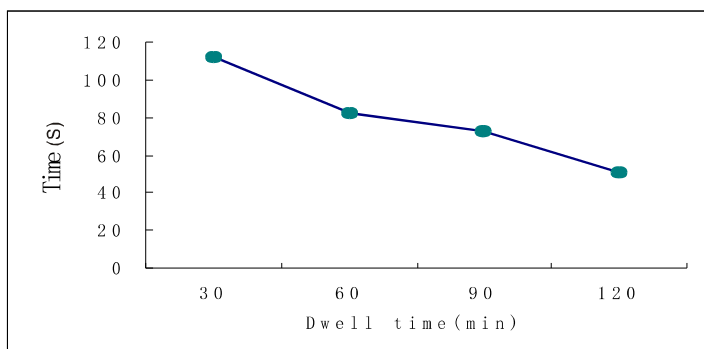
## The CTI difference between S2600 and standard CEM-3



## CTI Testing Machine



## Solder dip after PCT (288°C)



## PURCHASING INFORMATION

Thickness	Copper foil	Standard Size
0.8mm to 3.2mm	18 μ m to 105 μ 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.