



# S2130

(UL ANSI:CEM-3)

## 特点

- 可冲孔加工，钻孔加工钻头使用寿命可延长。
- 电性能与FR-4相当。
- PTH可靠性与FR-4相当。

## FEATURES

- Punching process applicable, longer drill bit life .
- Electrical properties equivalent to FR-4.
- Excellent PTH reliability equivalent to FR-4.

## 应用领域

仪器仪表、信息家电、汽车电子、自动控制  
器、游戏机等。

## APPLICATIONS

Apparatus and instrument, information household appliances, automotive electronics, remote control unit, game 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	Rating	V-0	V-0	
	E-24/125				
Volume Resistivity	C-96/35/90	MΩ-cm	≥ 10 <sup>6</sup>	2.9×10 <sup>8</sup>	
	E-24/125		≥ 10 <sup>3</sup>	8.6×10 <sup>6</sup>	
Surface Resistivity	C-96/35/90	MΩ	≥ 10 <sup>4</sup>	2.8×10 <sup>7</sup>	
	E-24/125		≥ 10 <sup>3</sup>	4.8×10 <sup>6</sup>	
Arc Resistance	D-48/50+D-0.5/23	S	≥60	115	
Dielectric Breakdown	D-48/50+D-0.5/23	KV	≥ 40	45+Kv NB	
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	288°C	-	20s	30s
				No delamination	No delamination
Peel Strength	1oz Cu. Foil	288°C, 10s	N/mm	≥ 1.05	1.9
		125°C		≥ 0.9	1.7
Flexural Strength	LW	A	MPa	≥ 276	400
	CW			≥ 186	320
Water Absorption	D-24/23	%	≤ 0.5	0.13	
CTE z-axis	Before Tg After Tg 50~260°C	TMA	μ m/m°C	-	60
			μ m/m°C	-	340
			%	-	5.2
CTI	IEC60112 Method	V	PLC 3(175V--249V)	PLC 3	

Remarks: 1.Specification sheet:IPC-4101/12, is for your reference only.  
2.All the typical value is based on the 1.6mm specimen, while the Tg is for specimen ≥0.50mm.  
3.All the typical value listed above is for your reference only, please turn to Shengyi Sci.Tech.Co., Ltd . for detailed information, and all rights from this data sheet are reserved by Shengyi Sci.Tech.Co., Ltd .

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

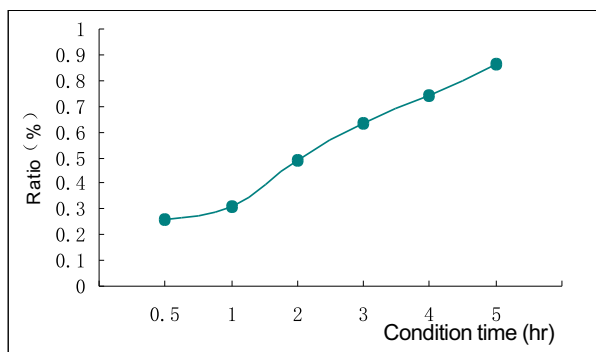
The figures following the letter symbols indicate with the first digit the duration of the preconditioning in hours, with the second digit the preconditioning temperature in °C and with the third digit the relative humidity.



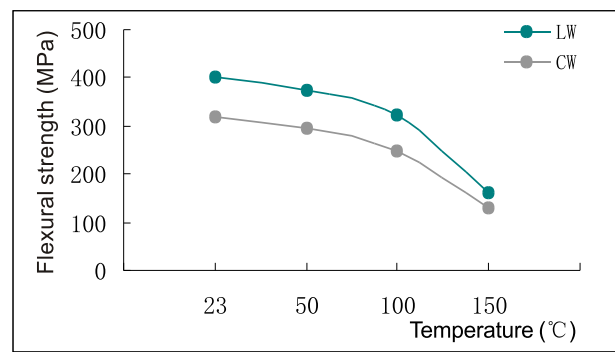
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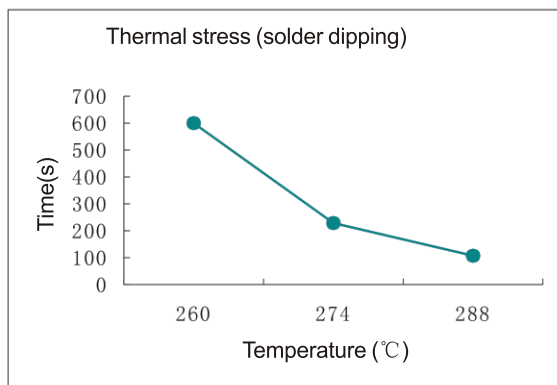
## Water absorption at pressure cooker



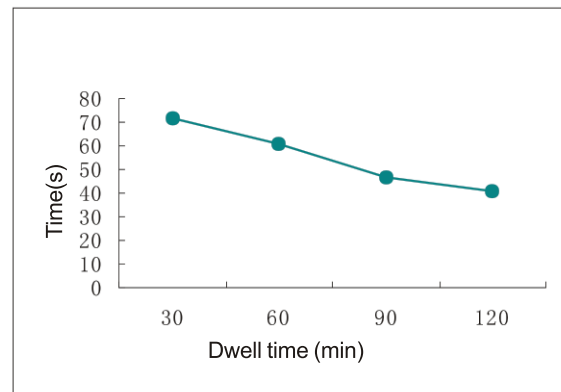
## Flexural strength



## Thermal stress



## Solder dip after PCT



## PURCHASING INFORMATION

Thickness	Copper foil	Standard Size	
0.6mm to 3.2mm	18 μ m	1,020 × 1,220mm (40" × 48" )	915 × 1,220mm (36" × 48" )
	to 105 μ m	1,070 × 1,220mm (42" × 48" )	

❖ Other sheet size and thickness could be available upon request.