

S2130

(ANSI:CEM-3)

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。
- 电性能与FR-4相当，加工工艺与FR-4相同。
- PTH可靠性与FR-4相当的机械性能和电性能。

FEATURES

- Excellent mechanical processability, punching process applicable, longer drill bit life up to 2-5 times.
- Electrical properties and PCB processing similar 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、自动柜员机、摄象机等。

APPLICATIONS

Test & measurement equipment, Information home appliances, Car 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 Resistance	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	4.6	
Dissipation Factor (1MHz)	C-24/23/50	-	0.035	0.016	
Thermal Stress	Unetched Etched	260 ,20s	-	No delamination	288 /20s
					No delamination
Peel Strength	1oz Cu. Foil	260 ,10s	N/mm	1.05	2.10
		105		0.70	1.70
Flexural Strength	LW CW	A	MPa	276	400
				186	320
Water Absorption	D-24/23	%	0.35	0.11	
CTE z-axis	Before Tg After Tg	TMA	μ m/m	-	46
			μ m/m	-	334
CTI	IEC60112 Method	V	-	225	

Specimen Thickness:1.6mm

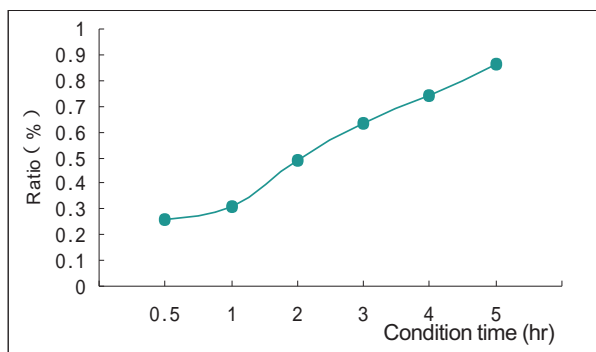
Explanations: C = Humidity conditioning;
D = Immersion conditioning in distilled water;
E = Temperature conditioning.

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.

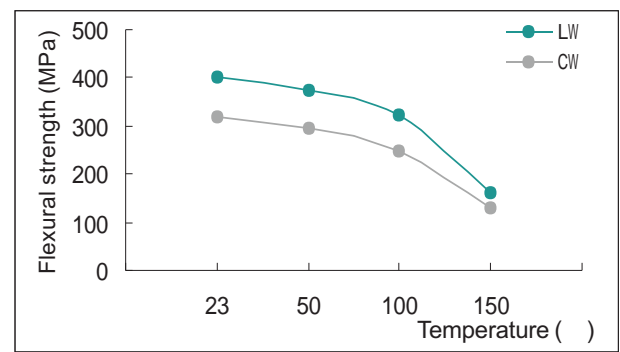
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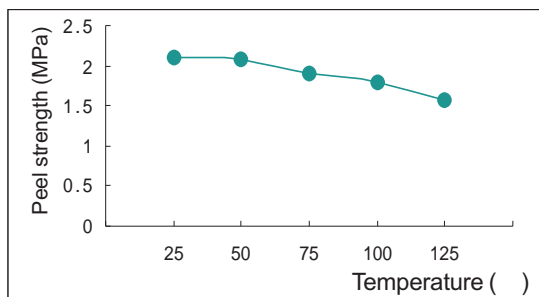
Water absorption at pressure cooker



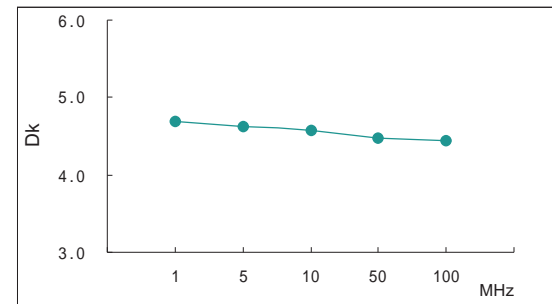
Flexural strength



Peel strength



Dielectric constant



PURCHASING INFORMATION

Thickness	Copper foil	Standard Size	
		0.6mm to 3.2mm	18 μ m to 105 μ m

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