

S3110

(ANSI:CEM-1)

特点

- 优异的冲孔性，可冷冲，有利于提高生产效率，冲模使用寿命长。
- 良好的耐热性、耐湿性、良好的机械性能和电性能。

FEATURES

- Excellent punching property, cold punching applicable, increased throughput, long punching tool life.
- Good heat resistance and moisture resistance, good mechanical properties and electrical properties.

应用领域

汽车电子、显示器、电源基板、键盘、仪器仪表、游戏机等。

APPLICATIONS

Automotive radio, display, power supply, keyboard, instrument, game machine, etc.

GENERAL PROPERTIES

Test Item	Treatment Condition	Unit	Property Data		
			SPEC	Typical Value	
Tg	DSC		-	110	
Flammability	C-48/23/50	-	V-0	V-0	
	E-24/125				
Volume Resistivity	C-96/35/90	M -cm	10^6	7.86×10^8	
	E-24/125		10^3	2.96×10^6	
Surface Resistivity	C-96/35/90	M	10^4	5.65×10^6	
	E-24/125		10^3	2.83×10^6	
Arc Resistance	D-48/50+D-0.5/23	S	60	118	
Dielectric Breakdown	D-48/50+D-0.5/23	KV	40	49	
Dielectric Constant (1MHz)	C-24/23/50	-	5.4	4.4	
Dissipation Factor (1MHz)	C-24/23/50	-	0.035	0.022	
Thermal Stress	Unetched Etched	260 ,20s	-	No delamination	
					274 / 20s No delamination
Peel Strength	1oz Cu. Foil	260 ,10s	N/mm	1.05	1.80
		105		-	1.60
Flexural Strength	LW	A	MPa	242	420
	CW			172	358
Water Absorption	D-24/23	%	0.35	0.13	
CTI	IEC60112 Method	V	-	300	

Specimen Thickness: 1.6mm single side board

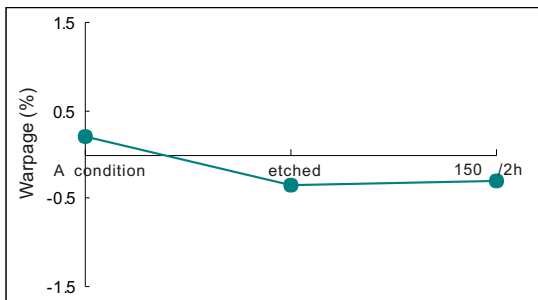
Explanations: C = Humidity conditioning;
D = Immersion conditioning in distilled water;
E = Temperature conditioning.

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.

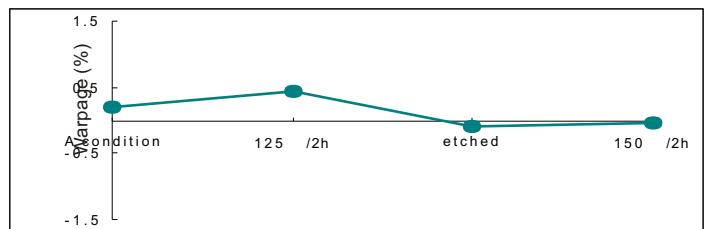
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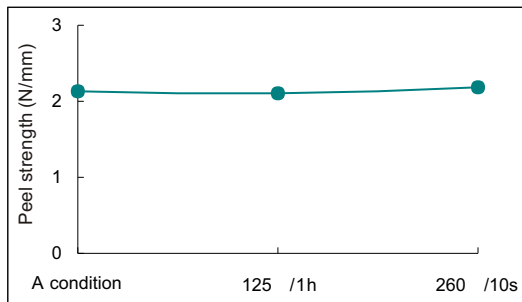
■ **Warpage of S3110**
(No-treating)



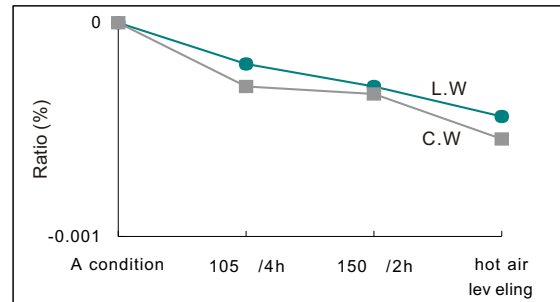
■ **Warpage of S3110**
(After treating: 125 /2hr)



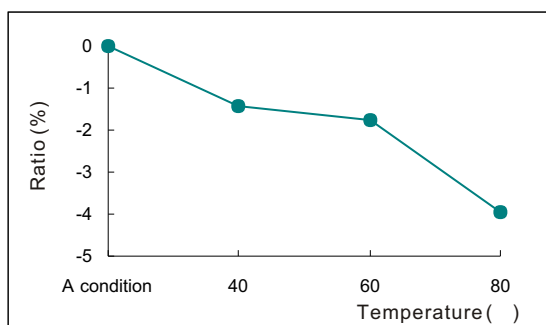
■ **Peel strength**



■ **Dimensional stability**



■ **Hole diameter shrinkage**
Punching process



❖ Specimen Thickness: 1.6mm single side board

PURCHASING INFORMATION

Thickness	Copper foil	Standard Size
0.6mm 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.