

S1141

(ANSI:FR-4)UV Blocking

特点

- UV Blocking 和 AOI 兼容，可提高 PCB 生产效率。
- 优良的耐热性。
- 优良的尺寸稳定性。
- 优秀的机械性能和电性能。

FEATURES

- UV Blocking and AOI compatible, so as to Increase productivity.
- Good thermal resistance performance .
- Good dimensional stability.
- Excellent mechanical and electrical properties.

应用领域

电脑、仪器仪表、摄像机、通讯设备、电子游戏机、汽车、航空等。

APPLICATIONS

Computer, Instrumentation, VCR, Communication equipment, Electronic game machine, Automobil, Aviation, etc.

GENERAL PROPERTIES

Test Item		Treatment Condition	Unit	Property Data	
				SPEC	Typical Value
Tg		DSC		≥ 130	140
Flammability		C-48/23/50	-	V-0	V-0
		E-24/125			
Volume Resistivity		After moisture resistance	MΩ-cm	≥ 10 ⁶	5 × 10 ⁸
		E-24/125		≥ 10 ³	5 × 10 ⁶
Surface Resistivity		After moisture resistance	MΩ	≥ 10 ⁴	5 × 10 ⁷
		E-24/125		≥ 10 ³	5 × 10 ⁶
Arc Resistance		D-48/50+D-0.5/23	S	≥ 60	120
Dielectric Breakdown		D-48/50+D-0.5/23	KV	≥ 40	60
Dielectric Constant (1MHz)		C-24/23/50	-	≤ 5.4	4.6
Dissipation Factor (1MHz)		C-24/23/50	-	≤ 0.035	0.015
Thermal Stress	Unetched	288 ,20s	-	No delamination	No delamination
	Etched				
Peel Strength	1oz Cu. Foil	288 ,10s	N/mm	≥ 1.05	1.8
		125		≥ 0.70	1.6
Flexural Strength	LW	A	MPa	≥ 415	600
	CW			≥ 345	500
Water Absorption		D-24/23	%	≤ 0.35	0.15
CTE Z-axis	Before Tg	TMA	μ m/m	-	65
	After Tg	TMA	μ m/m	-	300
CTI		IEC60112 Method	V	-	200

Specimen Thickness:1.6mm

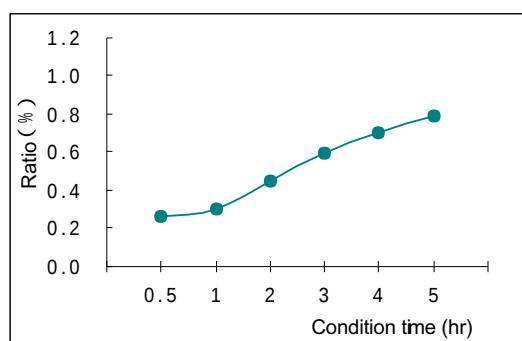
Explanations: C = Humidity conditioning;
D = Immersion conditioning in distilled water;
E = Temperature conditioning.

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.

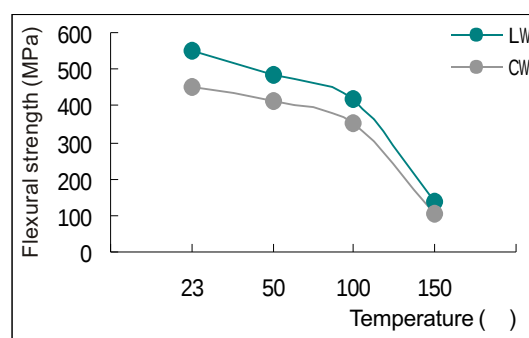
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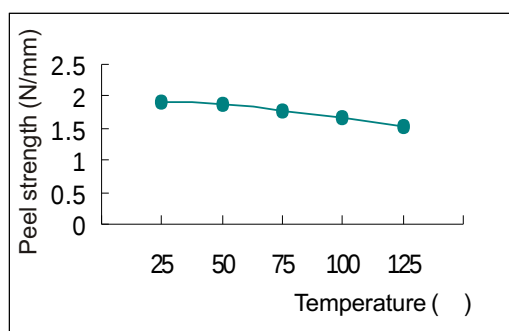
■ Water absorption at pressure cooker



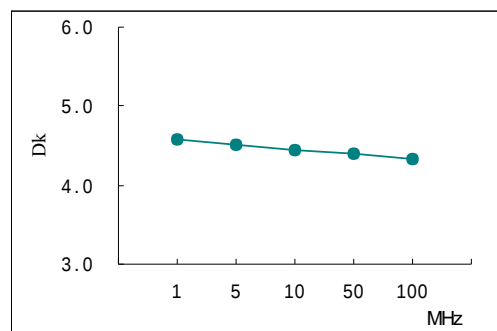
■ Flexural strength



■ Peel strength



■ Dielectric constant



PURCHASING INFORMATION

Thickness	Copper foil	Standard Size
0.05mm to 3.2mm	12 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.