

# G-F600 (CTI 600 FR-4板)

### 特点

- 优异的耐漏电起痕性, CTI≥600。
- UV Blocking, 可提高PCB生产效率。
- 加工性能及其他性能与普通FR-4相同。

### 应用领域

- 电源基板、电视、电冰箱、洗衣机、空调系统等。
- 用于高湿、高污染环境及海上作业的电子电器产品

### FEATURES

- Superior tracking resistance, CTI≥600.
- UV Blocking, so as to increase productivity.
- PCB processing and other properties similar to conventional FR-4.

### APPLICATIONS

- Power supply, TV, refrigerator, washing machine, air condition system, etc.
- Apply to electronic products used in the conditions of high humidity, polluted, and on the sea.

## GENERAL PROPERTIES

Test Item	Treatment Condition	Unit	Property Data	
			SPEC	Typical Value
Tg	DSC	°C	≥110	130
Flammability	C-48/23/50	-	94V-0	94V-0
	E-24/125+des			
Volume Resistivity	After moisture resistance	MΩ-cm	≥ 10 <sup>3</sup>	10 <sup>6</sup>
	E-24/125		≥ 10 <sup>3</sup>	10 <sup>5</sup>
Surface Resistivity	After moisture resistance	MΩ	≥ 10 <sup>3</sup>	10 <sup>6</sup>
	E-24/125		≥ 10 <sup>3</sup>	10 <sup>5</sup>
Arc Resistance	D-48/50+D-0.5/23	S	≥ 60	120
Dielectric Breakdown	D-48/50+D-0.5/23	KV	≥ 40	50
Dielectric Constant (1MHz)	C-24/23/50	-	≤ 5.4	4.5
Dissipation Factor (1MHz)	C-24/23/50	-	≤ 0.035	0.021
Thermal Stress	Unetched	288°C ,solder dip	≥ 10s	≥ 10s
	Etched		No delamination	No delamination
Peel Strength	Hoz	288°C ,10s	≥ 6.0	7.0
		125°C	≥ 4.0	4.8
Flexural Strength	LW	A	≥ 415	550
	CW		≥ 345	430
Water Absorption	D-24/23	%	≤ 0.35	0.25
CTE TMA Z-axis	Before Tg	TMA	μ m/m°C	-
	After Tg	TMA	μ m/m°C	-
	50-260°C	TMA	%	-
Td	10°C/min,N,5%Wt Loss	°C	-	305
T260	TMA	min	-	13
T288	TMA	min	-	2
CTI	IEC60112 Method	V	≥ 600	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.  
 The above statistics are the reference value of performance of A Grade CCL. Values of CCL of other grades will be attached separately.

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G-F600  
性能指标