

KB-7150/7150C (ANSI: CEM-3)

覆铜箔玻璃毡布复合基层压板

Features 特点

- Excellent mechanical process ability and punching process applicable
优异机械加工性，可冲孔加工性
- Electrical properties and PCB processing are similar to FR-4, the wearing of drill bit is much less than FR-4
电性能与 FR-4 相当，加工工艺与 FR-4 相同，钻嘴磨损率比 FR-4 小
- IPC-4101C specification is applicable
符合 IPC-4101C 的规范要求

注：耐漏电起痕指数 KB-7150 CTI \geq 175V KB-7150C CTI \geq 600

General Properties 一般特性

Test Item 测试项目	Unit 单位	Test Method (IPC-TM-650) 测试方法	Test Condition 处理条件	Specification (IPC-4101C) 规格值	Typical Value 典型值
Peel Strength (1 oz.) 铜箔剥离强度	N/mm	2.4.8	125°C	AABUS	1.75
			Float 260°C / 10 Sec	AABUS	1.79
Thermal Stress 热应力	Sec	2.4.13.1	Float 260°C / unetched	≥ 10	60
Bow / Twist 弯弓度/翘曲度	%	2.4.22.1	A	≤ 1.0	0.5 / 0.8
Flexural Strength 抗弯强度	N/mm ²	2.4.4	Warp	≥ 276	355
			Fill	≥ 186	293
Flammability 燃烧性	Rating	UL94	UL94	UL94 V-0	V-0
Surface Resistivity 表面电阻	M Ω	2.5.17.1	C-96/35/90	$\geq 1.0 \times 10^4$	1.0×10^6
Volume Resistivity 体积电阻	M Ω -cm	2.5.17.1	C-96/35/90	$\geq 1.0 \times 10^6$	1.0×10^7
Dielectric Constant 介电常数	—	2.5.5.2	Etched/@1 MHZ	≤ 5.4	4.5
Loss Tangent 介质损耗	—	2.5.5.2	Etched/@1 MHZ	≤ 0.035	0.020
Arc Resistance 耐电弧性	Sec	2.5.1	D-48/50+D-0.5/23	≥ 60	128
Moisture Absorption 吸水率	%	2.6.2.1	D-24/23	≤ 0.5	0.20
Comparative Tracking Index 相比漏电起痕指数	V	IEC60112	Etched / 0.1% NH ₄ CL	≥ 175	175 / 600

Remarks: Typical values for reference only 注：典型值仅作参考 Specimen Thickness: 1.6mm 1/1 样品厚度：1.6mm 1/1

A = Keep the specimen originally without any process 保持原样,不作处理

C = Temperature and humidity conditioning 在恒温恒湿的空气中处理

D = Immersing in distilled water with temperature control. 浸在恒温的水中处理

E = Temperature conditioning 在恒温的空气中处理

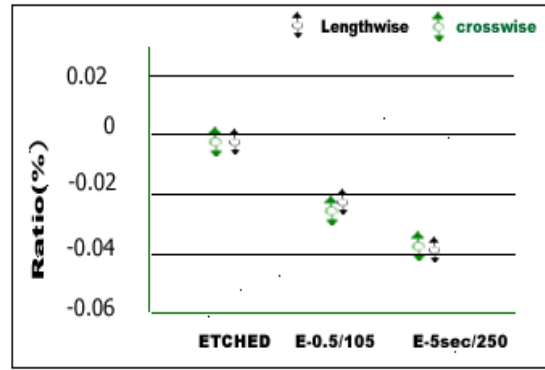
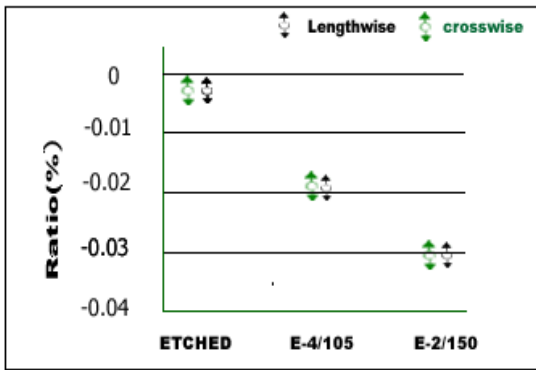
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Speciality Chart 板材特性图

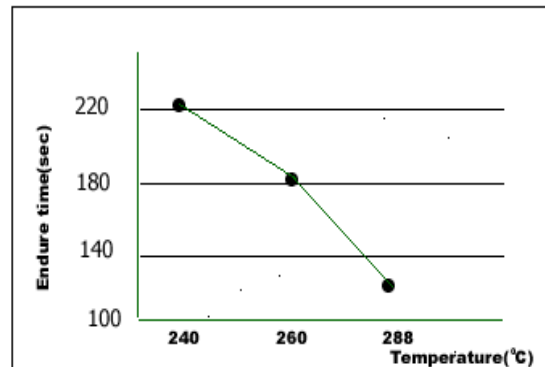
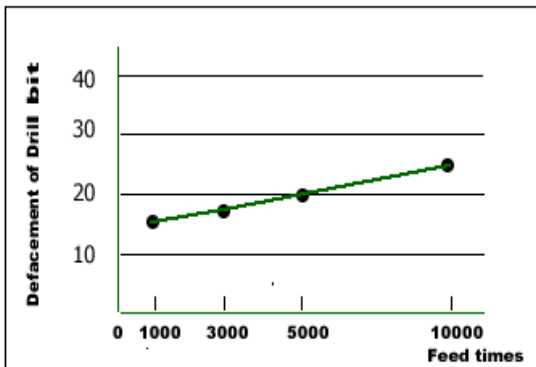
Dimensional stability 尺寸稳定性

Dimensional stability-PCB process (size:360*310mm)



Drilling processability 钻孔加工性

Solder Resistance 耐焊性



应用领域

Applications

- 光电照明、电源基板、电视机、冰箱、洗衣机、电子乐器

- Photoelectricity, Power supply, TV, Refrigerator, Washing machine, Electronic musical instrument.

Purchasing Information 采购信息

Base Color 基材颜色	Thickness 厚度	Copper Cladding 铜箔厚度	Regular Size (mm) 常规尺寸	CTI Value CTI 值
CEM-3 (乳白色、半透明) YCEM-3 (黄色、透明)	0.8mm ~ 1.6mm	18μm 35μm 70μm	915*1220mm (36"*48") 1020*1220mm (40"*48") 1067*1220mm (42"*48")	KB-7150C:600V
WCEM-3 (纯白色、不透明) NCEM-3 (自然色、透明) DCEM-3 (黑色、不透明) SCEM-3 (白色、透明)				KB-7150:175V

Note: 1) Other sheet size and thickness could be available upon request. 可根据客户要求提供其它尺寸和厚度;

2) Speciality chart for reference only. 以上图表仅供参考;

3) Version updates without notice. 版本更新恕不另行通知。