

**TECHNICAL INFORMATION 技術資料****KB-6162**

環保KB-6162是一種不含鹵素，銻，紅磷等有毒成分的環保型玻璃纖維布/環氧樹脂基覆銅板，用於電腦、電腦週邊設備、手提電話、攝像機、電視機、電子遊戲機等。

Green KB-6150/ KB-6160 is composite epoxy, glass based copper clad Green laminate without halogen, antimony, red phosphorous, etc. Be used in computer and computer peripherals, mobile phones, VCR, TV, electronic game machine, etc.

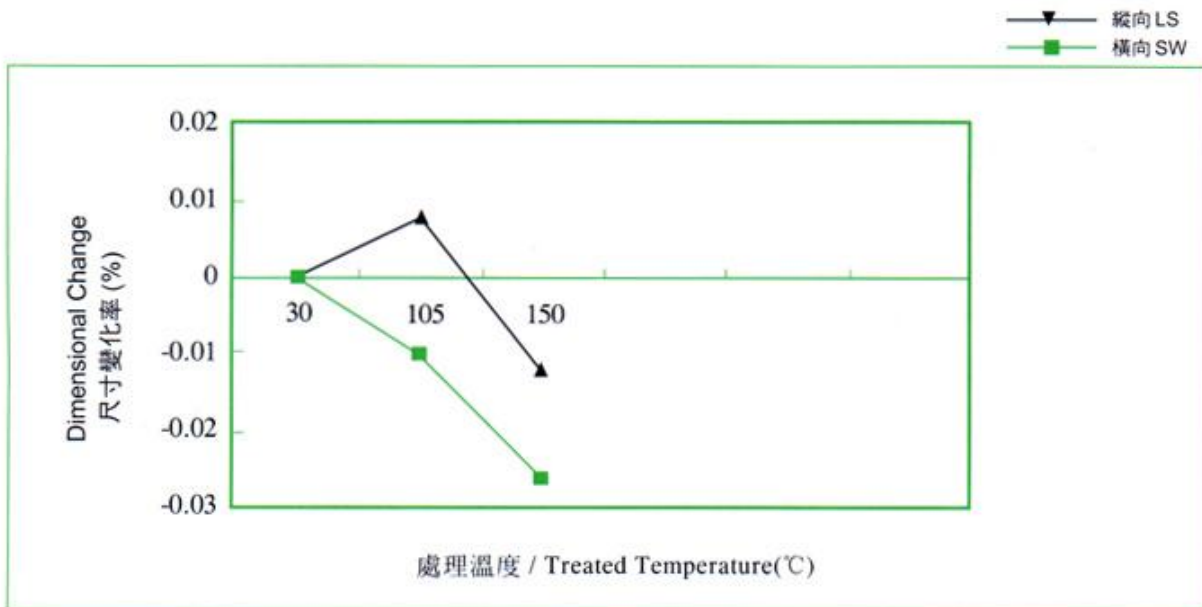
Type ( 型號 )	Construction ( 組成 )
KB-6162	玻纖布、環氧樹脂、銅箔 Glass fabric , Epoxy resin , Copper foil
<p><b>特點 (Features)</b></p> <ul style="list-style-type: none"> <li>無鹵素，不使用任何溴系阻燃劑。 Halogen-free, eliminated all kinds of brominated flame-retardants.</li> <li>燃燒時不產生劇毒氣體。 Absence of highly toxic dioxins in burning exhaust gas.</li> <li>不含銻，燃燒後不殘留有毒成分。 Antimony-free, no toxic evolution during waste burning.</li> <li>加工性能及其它性能與KB-6150相當。 PCB processing and other properties similar to KB-6150.</li> </ul> <p><b>標準資料 (Standard Configuration)</b></p> <ul style="list-style-type: none"> <li>厚度(Thickness) : 0.6mm - 3.2mm</li> <li>銅箔厚度(Copper cladding) : 18<math>\mu</math>m, 35<math>\mu</math>m, 70<math>\mu</math>m</li> <li>常規尺寸(Regular Size) : 1041mm×1245mm , 1020mm×1220mm</li> <li>其他尺寸(Other Size) : As specified by customers</li> </ul>	

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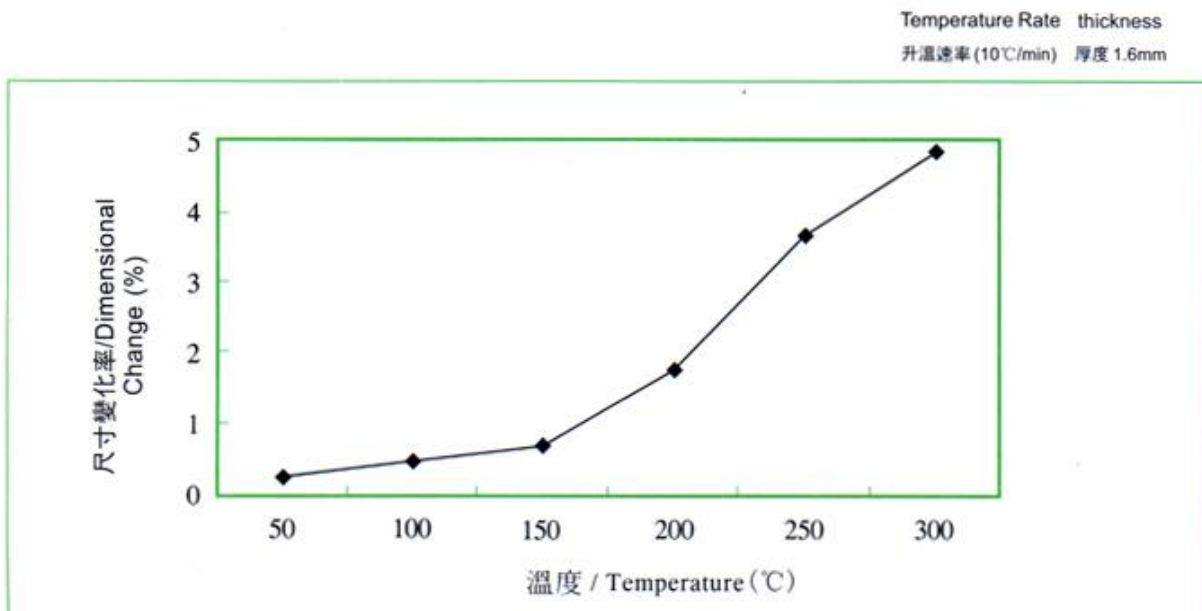
熱處理後板材縱橫向尺寸變化

Dimensional change in crosswise and lengthwise direction after heat treatment



厚度方向尺寸變化率與溫度關係

Relationship between change in thickness and temperature

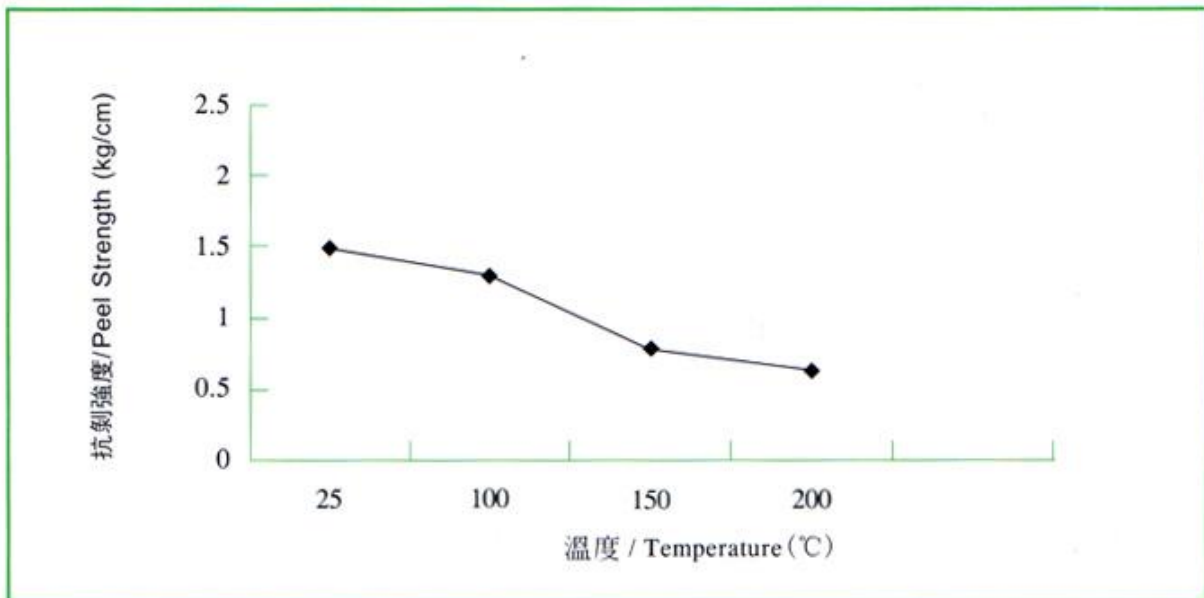


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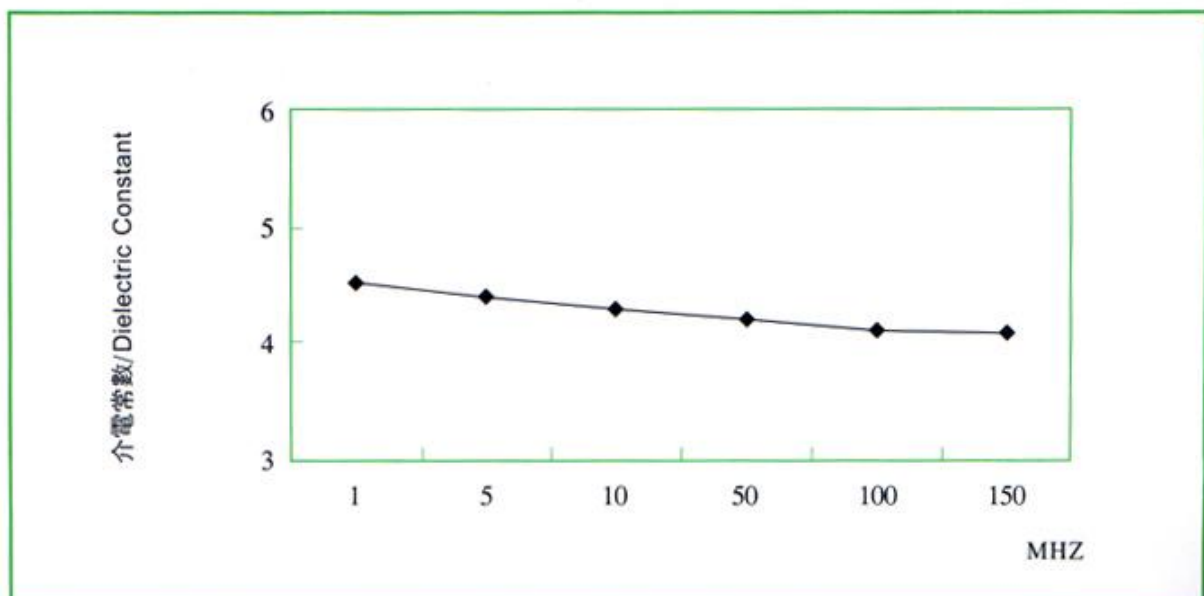
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#### PERFORMANCE 表現

熱沖擊後抗剝強度  
Peel strength after thermal stress



介電常數  
Dielectric constant



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#### GENERAL PROPERTIES 一般特性

特點 FEATURES	單位 UNIT	處理條件 TEST CONDITION	規格值 SPECIFICATION	典型值 TYPICAL VALUE
耐燃性 FLAMMABILITY	Class	E24/23	V-0	V-0
耐焊性 SOLDER BLISTER RESISTANCE	Sec	Float 288°C	Above 20	160
抗剝強度 (1安士) PEEL STRENGTH (1OZ)	Kg/cm	A	Above 1.43	1.6
玻璃化轉變度 GLASS TRANSITION (TG)	°C	DSC	Above 150	155
表面電阻 SURFACE RESISTANCE	MΩ	C96/35/90	Above $1.0 \times 10^4$	$1.0 \times 10^6$
體積電阻率 VOLUME RESISTIVITY	MΩ-cm	C96/35/90	Above $1.0 \times 10^6$	$1.0 \times 10^8$
介電常數 PERMITTIVITY	—	Etched/@1MHZ	Less than 5.4	4.6
介質損耗 LOSS TANGENT	—	Etched/@1MHZ	Less than 0.035	0.02
吸水性 MOISTURE ABSORPTION	%	E-24/50+D-24/23	Less than 0.5	0.1
屈曲強度 ARC RESISTANCE	Kg/m <sup>2</sup>	Lengthwise	Above $4.23 \times 10^7$	$5.1 \times 10^7$
		Crosswise	Above $3.52 \times 10^7$	$4.1 \times 10^7$
耐漏電指數 CTI	V/伏	A	Above 175	250

Remarks: Typical values for reference only 註：典型值只作參考