

無膠雙面板

Adhesiveless Double Side FCCL

I. 主要特性 Features

1. 極佳的撓曲性及剝離強度 Outstanding flexibility and peel strength;
2. 優異的耐熱性和耐化學品性 Excellent thermal resistance and chemical resistance;
3. 良好的尺寸穩定性 Good dimensional stability;
4. 無鹵無銻符合 ROHS 要求 Halogen free and antimony free, meets ROHS requirements
5. 阻燃達到 UL94V-0/VTM-0 Excellent flammability and UL94V-0/VTM-0.

II. 主要性能表 General Properties

Item	Type		IF-2LD 2518	Remark					
	Material			Width 250mm, 500mm Length 100m					
Spec.	TPI Film (μm)		25						
	Copper Foil (μm)		18	Standard					
Properties	Test Item	Condition	Value	1/3 OZ	1/2 OZ	1OZ	Test Method		
	Peel Strength (Kgf/cm)	A	90°	> 1.2	≥ 0.8	≥ 1.0	≥ 1.4	IPC-TM-650 2.4.9	
		Chemical Resistance (%)	IPA	Dipping /10min	< 3	≤ 20			IPC-TM-650 2.3.2
			NaOH		< 3				
	HCl	< 3							
	Water Absorption (%)		D-24/23	< 1.80	≤ 2.0		IPC-TM-650 2.6.2		
	Solder Resistance		288°C/ 10S/3 次	OK	288°C/ 10S/3 次		IPC-TM-650 2.4.13		
	Dimensional Stability (%)	MD	Method B	-0.03~0.03	≤ ±0.08			IPC-TM-650 2.2.4	
		TD		-0.01~0.05					
		MD	Method C	-0.06~0	≤ ±0.10				
		TD		-0.04~0.02					
	Volume Resistance (Ω-cm)		C-96/23/65	> 2×10 ¹³	≥ 10 ¹³		IPC-TM-650 2.5.17		
	Surface Resistance (Ω)			> 2×10 ¹²	≥ 10 ¹²				
	Insulation Resistance (Ω)			> 1×10 ⁹	≥ 10 ⁹		IPC-TM-650 2.6.3.2		
Dielectric Constant (2GHz)		C-24/23/50	< 3.4	≤ 4.0		IPC-TM-650 2.5.5.3			
Dissipation Factor (2GHz)			< 0.012	≤ 0.04					
Flammability		---	VTM-0	V-0/VTM-0		UL94			

注：以上所列數據僅供參考，詳見出貨報告。Note: Data shown above are nominal values for reference only, for details please refer to COA.

III. 儲存條件 Storage

真空包裝：30°C 以下，濕度 70% 以下，儲存一年。Vacuum Packaging: Lower than 30°C and 70%RH for one year.