上海南亞覆銅箔板有限公司

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FR-4 Glass Epoxy Copper Clad Laminate

UL CODE:SN-L4 COLOUR: YELLOW

For single sided ,double sided printed circuit board.

Thickness:≥0.38	MM	
Copper Clad	:0.5oz (18 micron)	
	1.0oz (35 micron)	
	2.0oz (70 micron)	
	3.0oz (103micron)	
Size	:36"x48"(914mmX1220mm)	
	40"x48"(1016mmX1220mm)	
	42"x48"(1067mmx1220mm)	

NO	Test Item		Treatment condition	Unit	Index
1	Peel Strength				
	A 1/2oz Copper fo	oil As Received	A	Ib/in	≥6.0
		After Thermal Str	ess A	Ib/in	≥6.0
	B 1oz Copper fo	oil As Received	A	Ib/in	≥8.0
		After Thermal Str	ess A	Ib/in	≥8.0
2	Surface Resistity at Elevated Temperature		E-24/125	ΜΩ	≥10 ³
3	Volume Resistity at Elevated Temperature		E-24/125	MΩ.CM	≥10 ³
4	Water Asorption	0.10-0.77MM	E-1/105+des	%	≤0.80
		0.78-3.20MM	+D-24/23		≤0.35
5	Flexural Strength	Lengthwise	A	Mpa	≥410
		Crosswise			≤340
6	Dielectric Breakdown Parallel To laminate		D-48/50+D-0.5/	KV	≥40
7	Dielectric Constant	Permittivity at 1MHZ	C-40/23/50	3.61	≤5.4
8	Bow and Twist	Double Sdes	A	%	≤1.0
		Single Side			≤1.5
9	Flammability		'A&E-1/105+ des		94-V0
10	Thermal stress	Thermal stress		A	No defect
	(288°C,20seconds)		After etched		No defect
11	Pressure Vessel The	ermal Stress	A		No defect
12	Demensional Stabil	ity	E-4/105+des+E -2/150	Um/cm	+/-5.0
13	TG		DSC	0C	≥130°C
14	TD		(°C/TGA 5% wt loss)	°C (0.73 €	300-310 ⁸