



## TYPICAL PROPERTIES DATA SHEET

Hony Engineering Plastics Limited

### Copper Clad Laminated Sheet

Test Item	Test Condition	Unit	SPEC	Typical Value
Tg	DSC	°C	≥125	135
Thermal Stress	288°C, 10S/solder dip	–	>10	60S/ No delamination No Delamination
Flexural Strength	N/mm2	LW	≥415	500
		CW	≥345	450
Flammability	E24/125	–	UL94 V-0	V-0
Surface Resistivity	After moisture	MΩ	≥1.0×10 <sup>4</sup>	2.0×10 <sup>6</sup>
Volume Resistivity	After moisture	MΩ.cm	≥1.0×10 <sup>6</sup>	2.0×10 <sup>8</sup>
Dielectric	1MHz	–	≤5.4	4.7
Constant(1MHZ)	C-24/23/50			
Dissipation Factor(1MHZ)	1MHz C-24/23/50	–	≤0.035	0.017
Loss Tangent	1MHz C-24/23/50	–	≤0.035	0.016
Arc Resistivity	D-48/50+D-0.5/23	s	≥60	135
Dielectric Breakdown	D-48/50+D-0.5/23	KV	≥40	60
Moisture Absorption	D-24/23	%	≤0.8	0.15
CTI	IEC60112 Method	V	175~250	210