



# EPA-M2 Conductivity thermal Aluminum based CCL

## EASTPOWER

### Features:

- Halogen-free type, complied with ROHS requirements and complied with REACH legislation requirements.
- High thermal conductivity aluminum copper clad laminate thus effectively increasing the life of electronic products.
- No fiberglass contents.
- Good mechanical adaptations.
- Excellent dimensional stability.
- Electromagnetic shielding.

### Application areas:

- Substrate electric car, LED Back light, Indoor/Outdoor lighting, Street LED lamp, LED stage lights .
- Inverter/converter
- Other: IC chip substrates.

### Specification:

AL Substrate Layer: 0.6mm ; 0.8mm ; 1.0mm ; 1.2mm ; 1.5mm ; 2.0mm ; 3.0mm.

Copper Foil : 10Z; 20Z; 30Z; 40Z.

Available Size : 500×600mm;500×1200mm.Customer tailor sizes are available.

### Performance

Item	Test condition	Units	Index
Insulation thickness	/	μ m	75~210
Thermal Stress	288℃ No Blistering 、No Delamination	S	120S
Peel Strength	C-96/25/65	N/mm	1.4
Break-down Voltage	AC	KV	3
CTI	IEC60112	V	≥600
Glass Transition Temperature	DSC	℃	145
Surface Resistance	C-96/35/90	MΩ	$1.67 \times 10^5$
Volume Resistivity	C-96/35/90	MΩ • cm	$1.61 \times 10^8$
Dielectric Constant 1MHZ	C-96/35/90	/	≤ 4.6
Dissipation Factor 1MHZ	C-96/35/90	/	≤ 0.023
Water Absorption	D-24/23	%	<0.5
Thermal Conductivity	ASTM E1461	W/m • k	2.0
Heat Resistance	/	℃/W	0.5~0.7
Flammability	UL94	/	V-0

- All datas are subject to change without notice.

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