



# S3116

(UL ANSI: CEM-1) High CTI

## FEATURES

- High CTI
- Good thermal resistance
- Good moisture resistance
- Good mechanical process ability

## APPLICATIONS

Display  
 Power supplier  
 Ultrasonic machine  
 Household appliances

## GENERAL PROPERTIES

Test Items	Test Method	Test Condition	Unit	Typical Value
Thermal Stress	IPC-TM-650 2.4.13.1	288°C, solder float	s	>35
Z-axis CTE	IPC-TM-650 2.4.24	50-260°C	%	6.5
Permittivity (1MHz)	IPC-TM-650 2.5.5.9	C-24/23/50	-	4.5
Loss Tangent (1MHz)	IPC-TM-650 2.5.5.9	C-24/23/50	-	0.021
Volume Resistivity	IPC-TM-650 2.5.17.1	C-96/35/90	MΩ-cm	5.3×10 <sup>8</sup>
Surface Resistivity	IPC-TM-650 2.5.17.1	C-96/35/90	MΩ	7.1×10 <sup>7</sup>
Arc Resistance	IPC-TM-650 2.5.1	D-48/50+D-0.5/23	s	120
Dielectric Breakdown	IPC-TM-650 2.5.6	D-48/50+D-0.5/23	kV	>45
Peel Strength (1oz)	IPC-TM-650 2.4.8	288°C/10s	N/mm [lb/in]	1.8 [10.28]
Flexural Strength (LW/CW)	IPC-TM-650 2.4.4	A	Mpa	400/350
Water Absorption	IPC-TM-650 2.6.2.1	D-24/23	%	0.13
Flammability	UL94	C-48/23/50	Rating	V-0
CTI	IEC60112	A	Rating	PLC0 (≥600V)

Remarks : 1. Specification sheet: IPC-4101/10, is for your reference only.

2. All the typical value is based on the 1.6mm specimen.

3. All the typical value listed above is for your reference only, please turn to Shengyi Technology Co., Ltd for detailed information, and all rights from this data sheet are reserved by Shengyi Technology Co., Ltd.

## PURCHASING INFORMATION

Thickness	Copper foil	Standard size
0.63mm to 3.2mm	18um to 105 um	915mm ×1,220mm(36"×48") 1,020mm ×1,220mm(40"×48") 1,070mm ×1,220mm(42"×48")

Remarks: Other sheet size and thickness could be available upon request.