



# SAR15 铝基覆铜板

## SAR15 Al Base CCL

### 特点

- 无卤高 CTI 产品
- 优良的散热性
- 优良的剥离强度
- 优秀的耐热性和绝缘可靠性
- 优秀的加工性

### FEATURES

- Halogen-free and High CTI
- Superior Heat Dissipation
- High Peel Strength
- Excellent Thermal Reliability and Insulation Reliability
- Excellent Processability

### 应用领域

适用于大功率 LED 照明、电源电路、LED TV 等

### APPLICATIONS

Suitable for high-power LED lighting, power supply circuit, LED TV, and etc.

### GENERAL PROPERTIES

Test Item	Treatment Condition	Unit	Property Data (Typical Value)
Thermal Stress	288°C, solder dipping	min	5
	300°C, solder dipping	min	3
Peel Strength (1OZ Cu. Foil)	After thermal shock 10 sec/288°C	N/mm	2.10
Dielectric Breakdown Voltage, AC	D-48/50+D-0.5/23	kV	5.0
Hi-pot Test	VDC	V	3000
	VAC	V	1500
Thermal Conductivity (dielectric layer)	ASTM-D 5470	W/m · K	1.5
Surface Resistance	After moisture resistance	MΩ	10 <sup>8</sup>
	E-24/125	MΩ	10 <sup>6</sup>
Volume Resistance	After moisture resistance	MΩ-cm	10 <sup>8</sup>
	E-24/125	MΩ-cm	10 <sup>7</sup>
Dielectric Constant	C-24/23/50, 1MHz	-	5.2
	C-24/23/50, 1GHz	-	4.8
Dissipation Factor	C-24/23/50, 1MHz	-	0.021
	C-24/23/50, 1GHz	-	0.017
CTI	IEC60112 Method	V	600
Flammability	UL-94	class	V-0
Glass Transition Temperature	DSC	°C	140
Halogen Content	Cl, Br	ppm	≤900.00
	Cl +Br	ppm	≤1500.00

\* Typical Value is based on specimen of 1.5mm Al / 75 μm dielectric/1 OZ Cu

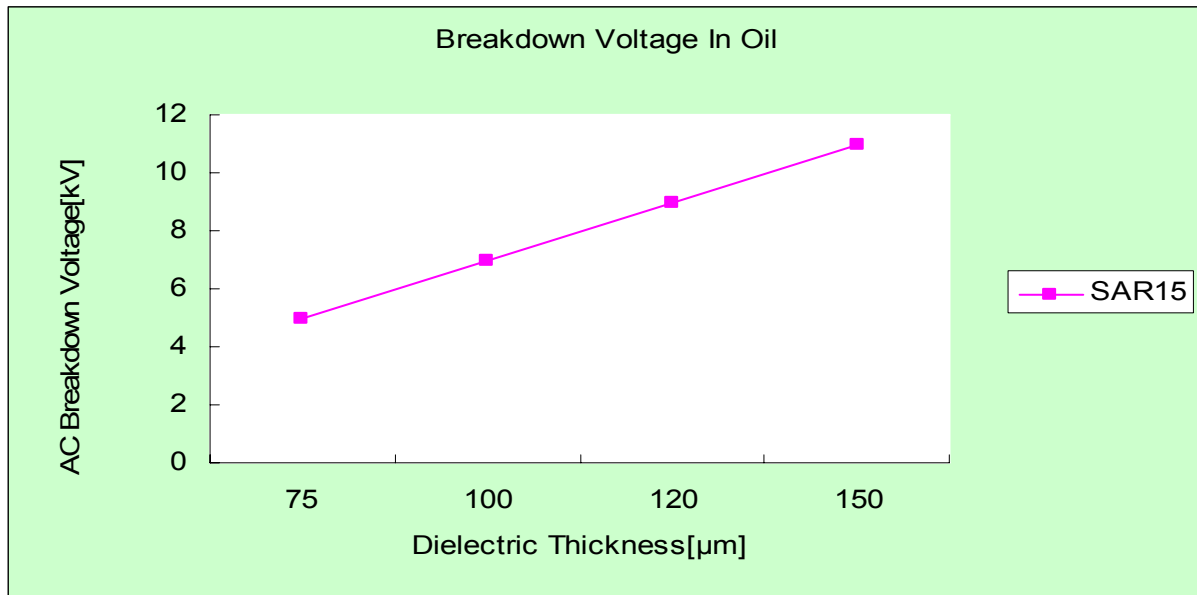
Explanations: C = 湿热处理条件 Humidity conditioning.

E = 恒温处理条件 Temperature conditioning.

D = 浸泡于蒸馏水 Immersion conditioning in distilled water.

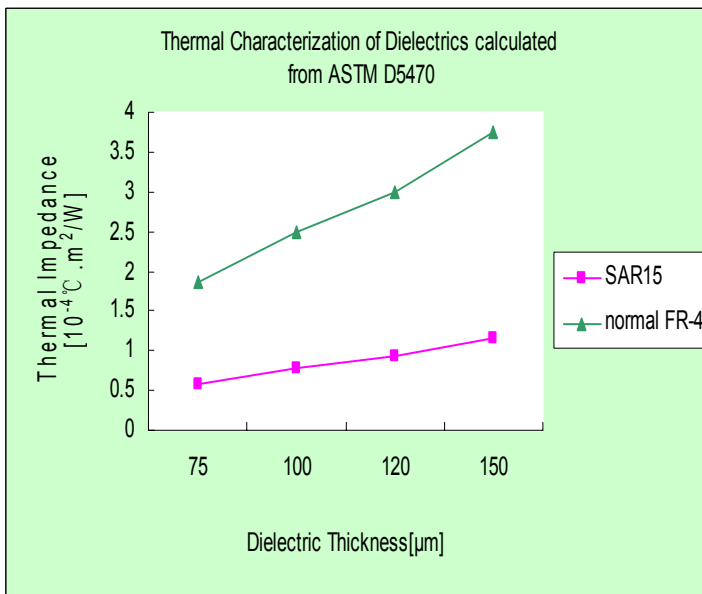


### Excellent Breakdown Voltage



### Excellent Thermal Conductivity

### Thermal Conductivity Testing Instrument (Test Method ASTM D5470)



### PURCHASING INFORMATION

	Material	Type
<b>Cu</b>	E/D Cu	0.5, 1, 2 OZ
<b>Dielectric Layer</b>	Epoxy resin filled with inorganic filler	70-150 μ m
<b>Base Metal Plate</b>	1060 Al	1.0, 1.5, 2.0, 3.0mm
	5052 Al	1.0, 1.5, 2.0, 3.0mm
	6061 Al	1.0, 1.5, 2.0, 3.0mm
<b>Masking Film</b>	PET/PI Film	2.5 mil
<b>Standard Size</b>	1200mm×1000mm,600mm×500mm (Other sizes are available upon request)	