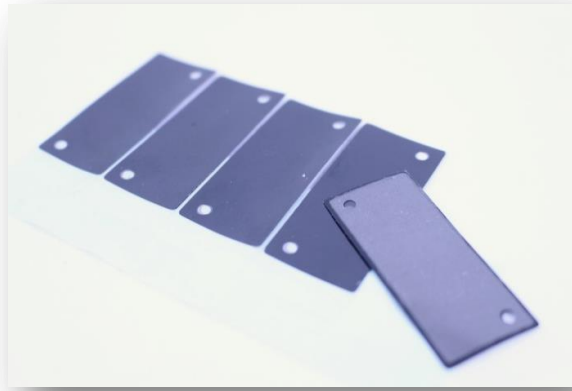


T68 Artificial Graphite Sheet



Features

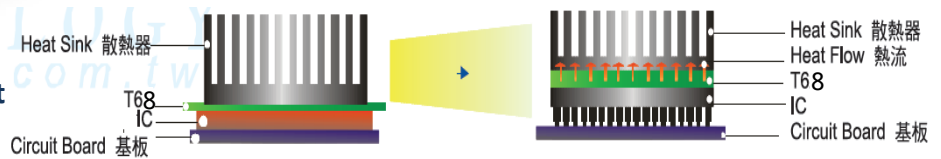
- Ultra high thermal conductivity and electrical conductivity with EMI shielding
- Flexible, and bendable
- Ultra thin; Low mass; Environmental friendly
- Low thermal resistance

Applications

- Smart phones, Laptops
- LED back light, PDP/LCD/OLED screens, Ultra bright LED
- Digital camera, Digital video camera, NIC

Properties

- ✓ REACH Compliant
- ✓ RoHS Compliant



Properties		T68	Unit	Tolerance	Test Methods
Thermal Conductivity	XY axis	1500	W / mK	±100	AC calorimeter
	Z axis	5	W / mK	±0.5	Laser flash
Thickness		25	µm	-	Micrometer
Color		Black	-	-	Visual
Thermal Diffusivity		8.5	cm ² / S	±0.5	AC calorimeter
Density		2.1	g / cm ³	±0.1	Archimedes law
Electrical Conductivity		13000	S / cm	-	JIS K7194
Flexural Strength		Flexible	-	-	MIT
Heat Resistance		400	°C	-	AC calorimeter
Heat Capacity (SHC)		0.895	J / g-K	-	-

Type	T68	T68A	T68AP	T68APPF
Processing Analysis	No processing	With insulating double-sided adhesive tape underneath (10um)	1. Standard PET tape on the top (10um) 2. Insulating 2-sided adhesive tape on the bottom (10um)	1. Standard PET tape on the top (10um) 2. Insulating 2-sided adhesive tape on the bottom (10um) 3. Edge banding
Construction	Graphite Sheet 	Graphite Sheet 2-sided adhesive tape 10um Release paper 	Graphite Sheet PET Tape 10um Release paper 2-sided adhesive tape 	Graphite Sheet PET Tape 2-sided adhesive tape Release paper
Features	<ul style="list-style-type: none"> Great thermal conductivity and softness of graphite Low thermal resistance Can work under 400°C Electrically conductive 	<ul style="list-style-type: none"> Insulating and adhesive on one side Great adhesion, stick closely to the case Breakdown voltage:1KV 	<ul style="list-style-type: none"> All surfaces are electrically isolating PET Tape: 1KV 2-sided adhesive tape: 1KV 	<ul style="list-style-type: none"> All surfaces are electrically isolating PET Tape: 1KV 2-sided adhesive tape: 1KV
Working Temperature	400°C	100°C	100°C	100°C
Overall Thickness	25um	35um	45um	45um

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Version2 20150226