



T68

Artificial Graphite Sheet

REACH Compliant RoHS Compliant UL Compliant

Features

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

Applications

Suitable for products requiring flat temperature

Electronic components - Electric Vehicles, 5G, Autopilot System, Mobile Phone, AIOT, HPC (High Performance Computing), Server, IC, CPU, MOS, LED, Mother Board, Power Supply, Heat Sink, LCD-TV, Notebook, PC, Telecom Device, Wireless Hub, DDR II Module, etc.

Properties

Properties	T68	Unit	Tolerance	Test Method
Thermal Conductivity (XY axis)	1500	W/mK	±100	AC calorimeter
Thermal Conductivity (Z axis)	5	W/mK	±10%	Laser flash
Thickness	25	µm	-	Micrometer
Color	Black	-	-	Visual
Flame Rating	V-0	-	-	UL 94
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
Bending Test	10000	times	-	-
Working Temperature	-40~+400	°C	-	AC calorimeter
Heat Capacity (SHC)	0.895	J/g-K	-	-

Properties	T68	T68A	T68AP	T68APF
Processing	No processing	With insulating double-sided adhesive tape underneath (10µm/30µm)	1. Standard PET tape on the top (10µm/30µm) 2. Insulating 2-sided adhesive tape on the bottom (10µm/30µm)	1. Standard PET tape on the top (10µm/30µm) 2. Insulating 2-sided adhesive tape on the bottom (10µm/30µm) 3. Edge banding
Structure	Graphite Sheet	Graphite Sheet 2-sided adhesive tape Release paper	PET Tape Graphite Sheet 2-sided adhesive tape Release paper	PET Tape Graphite Sheet 2-sided adhesive tape Release paper
Feature	<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
Heat-resistant Temperature	400°C	100°C	80~100°C	80~100°C
Total Thickness	25µm	35µm/55µm	45µm/85µm	45µm/85µm

Pre-cut for different shapes

Available to apply adhesive