



T68

Synthetic Graphite Sheet

REACH Compliant

RoHS Compliant

Features

- Ultra high thermal conductivity, electrical conductivity and EMI shielding
- Flexible and bendable
- Ultra thin, low mass, environmental friendly

Application:

Suitable for products requiring flat temperature

Electronic Components - 5G, Aerospace, AI, AIoT, AR/VR/MR/XR, Automotive, Consumer Devices, Datacom, Electric Vehicle, Electronic Products, Energy Storage, Industrial, Lighting Equipment, Medical, Military, Netcom, Panel, Power Electronics, Robot, Servers, Smart Home, Telecom, etc.

Properties

Properties	Unit	T68	Tolerance	Test Method
Thermal Conductivity (XY axis)	W/m•K	1500	±100	AC Calorimeter
Thermal Conductivity (Z axis)	W/m•K	5	±10%	Laser Flash
Thickness	μm	25	-	Micrometer
Thermal Diffusivity	cm²/s	8.5	±0.5	AC Calorimeter
Density	g/cm³	2.1	±5%	Archimedes Law
Electrical Conductivity	S/cm	>13000	-	JIS K7194
Bending Test	times	10000	-	-
Operating Temperature	°C	-40~+400	-	AC Calorimeter
Heat Capacity (SHC)	J/g-K	0.895	-	-

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 · Low thermal resistance · Working temperature up to 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"> · Both surfaces electrically isolated · PET Tape: 1KV · 2-sided adhesive tape: 1KV 	<ul style="list-style-type: none"> · Both surfaces electrically isolated · 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

※Die-cut for different shapes

※Available to apply adhesive

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