



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

Applications

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	Angstrom Method
Thermal Conductivity (Z axis)	W/m·K	5	±10%	ASTM D5470-06
Thickness	μm	25	-	ASTM D374
Thermal Diffusivity	cm ² /s	8.5	±0.5	Angstrom Method
Density	g/cm ³	2.1	±5%	Archimedes' Principle
Electrical Conductivity	S/cm	>13000	-	Kelvin (4-wire) Resistance Measurement
Heat Resistance Temperature	°C	400	-	TGA
Bending Test	times	10000	-	-
Specific Heat Capacity	J/g·K	0.85	-	-

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 Resistance 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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