



# 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	cm <sup>2</sup> /s	8.5	±0.5	AC Calorimeter
Density	g/cm <sup>3</sup>	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"> <li>· Great thermal conductivity and softness</li> <li>· Low thermal resistance</li> <li>· Working temperature up to 400°C</li> <li>· Electrically conductive</li> </ul>	<ul style="list-style-type: none"> <li>· Insulating and adhesive on one side</li> <li>· Great adhesion, stick closely to the case</li> <li>· Breakdown voltage: 1KV</li> </ul>	<ul style="list-style-type: none"> <li>· Both surfaces electrically isolated</li> <li>· PET Tape: 1KV</li> <li>· 2-sided adhesive tape: 1KV</li> </ul>	<ul style="list-style-type: none"> <li>· Both surfaces electrically isolated</li> <li>· PET Tape: 1KV</li> <li>· 2-sided adhesive tape: 1KV</li> </ul>
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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