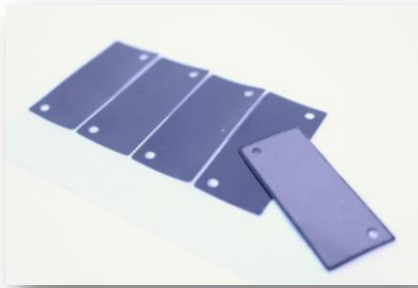


# T68 Artificial Graphite Sheet



## Features

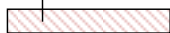
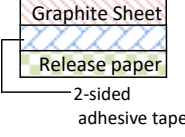
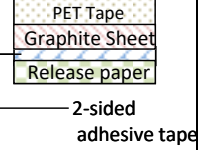
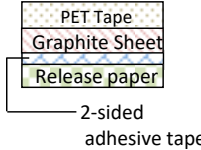
Ultra high thermal conductivity, electrical conductivity and EMI shielding effect  
Flexible, and bendable  
Ultra thin; Low mass; Environmental  
Low thermal resistance

## Applications

Mobile phone, Laptops, Set-top box, LED back light,  
PDP/LCD/OLED screens, Ultra bright LED, Digital camera,  
Digital video camera, NIC, Projector, Handheld device etc.

**Properties**    ◆ REACH Compliant    ◆ RoHS Compliant    ◆ UL 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
Flame Rating		V-0	-	-	UL-94
Thermal Diffusivity		8.5	cm <sup>2</sup> / S	±0.5	AC calorimeter
Density		2.1	g / cm <sup>3</sup>	±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	-	-

Type	T68	T68A	T68AP	T68APF
Processing Analysis	No processing	With insulating double-sided adhesive tape underneath (10um/30um)	1. Standard PET tape on the top (10um/30um) 2. Insulating 2-sided adhesive tape on the bottom (10um/30um)	1. Standard PET tape on the top (10um/30um) 2. Insulating 2-sided adhesive tape on the bottom (10um/30um) 3. Edge banding
Construction				
Features	<ul style="list-style-type: none"> <li>Great thermal conductivity and softness of graphite</li> <li>Low thermal resistance</li> <li>Can work under 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>All surfaces are electrically isolating</li> <li>PET Tape: 1KV</li> <li>2-sided adhesive tape: 1KV</li> </ul>	<ul style="list-style-type: none"> <li>All surfaces are electrically isolating</li> <li>PET Tape: 1KV</li> <li>2-sided adhesive tape: 1KV</li> </ul>
Working Temperature	400°C	100°C	100°C	100°C
Overall Thickness	25um	35um/55um	45um/85um	45um/85um

## T-Global Technology Co., Ltd

No. 33, Ln. 50, Daren Rd., Taoyuan Dist., Taoyuan City 330, Taiwan

TEL: +886-3-3618899

FAX: +886-3-3665666

www.tglobalthermal.com

www.tglobal.com.tw



Version4 20170701