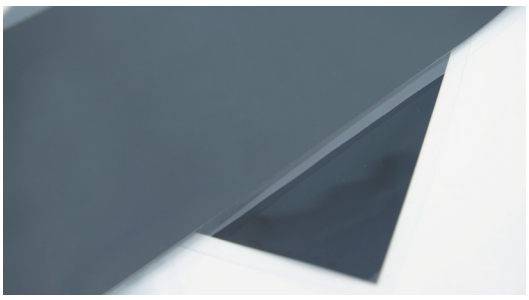

TG-P100 Series

Graphene

RoHS Compliant

Features

- Ultra thin, Low mass
- Available for unventilated design
- No dusting issue

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	TG-P10050	TG-P10090	Unit	Tolerance	Test Method
Thermal Conductivity (XY axis)	1500~1800		W/mK	-	AC calorimeter
Thermal Conductivity (Z axis)	12		W/mK	-	Laser flash
Total Thickness	50	90	µm	-	Meter
Copper Foil Thickness	35	75	µm	-	Meter
Coating Thickness	15	15	µm	-	Meter
Vertical Resistivity (XY axis)	2.57		KV/mm	-	QJ1523-1988
Parallel Resistivity (Z axis)	0.66		KV/mm	-	QJ1523-1988
Cross-cut Tape Test	4B		-	-	ASTM D3359B
Pencil Hardness Test	2H		-	-	ASTM D3363
Solvent Resistance (Alcohol)	Pass(5 times)		°C	-	ASTM D5402
Rubber Abrasive Test	Pass(150 times)		Ohm-m	-	ASTM D7835
High Temperature & Humidity Test @ 85°C/85%RH	Pass(500hrs)		-	-	IEC-60068-2-78
Thermal Shock Test @-20~+80 °C	Pass(500cycles)		-	-	IEC-60068-2-14
Temperature Range of Utility	-20~+120		°C	-	ISO 16750-4

Pre-cut for different shapes

Produkt anfragen