

# TG-P10050 / TG-P10090

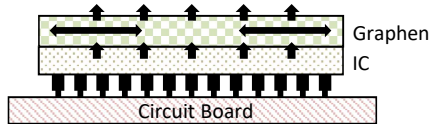
## Graphene

REACH



### Features

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



### 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

Properties	TG-P10050	TG-P10090	Unit	Tolerance	Test Method
Thermal Conductivity	1500~1800		W / mK	-	Comparative Test
	12		W / mK	-	ASTM D5470
Total Thickness	50	90	μm	-	Meter
Copper Foil Thickness	35	75	μm	-	Meter
Coating Thickness	15	15	μm	-	Meter
Vertical Resistivity	2.57		-	-	QJ1523-1988
Parallel Resistivity	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	Pass (500hrs)		(85°C/85%RH)	-	IEC-60068-2-78
Thermal Shock Test	Pass (500 cycles)		(-20~80°C)	-	IEC-60068-2-78
Temperature Range of Utility	-20 ~ +120		°C	-	ISO 16750-4

Need samples? **Pre-cut for different shapes**

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