

G566A/G566AP

Artificial Graphite Sheet

LiPOLY G566 Graphite Sheet has great thermal conductivity on the X and Y axis. The thermal conductivity is 1700 W/m*K. It is flexible and bendable, which is suitable for thin products and high capability mobile devices.

■ FEATURES

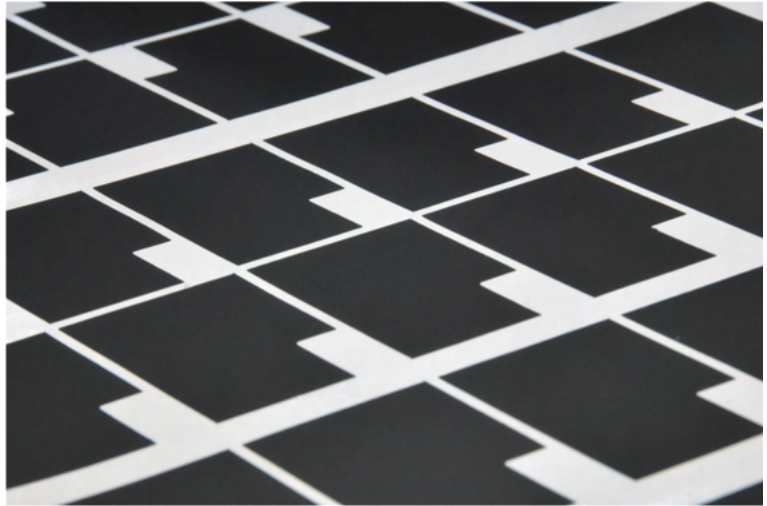
- / Thermal conductivity: 1500~1700W/m*K
- / Good average temperature
- / Easy to assemble
- / Lightweight, Specific gravity 2.1g/cm³

■ TYPICAL APPLICATION

- / Smart phones, Mobile phones
- / LED, DVD appliance
- / Hand held devices
- / 5G base station & infrastructure
- / EV electric vehicle

■ SPECIFICATIONS

- / Roll form / Sheet form
- / Die-cut parts



■ TYPICAL PROPERTIES

PROPERTY	G566A	G566AP	TEST METHOD	UNIT
Color	Black	Black	Visual	-
Surface tack 2-side/1-side	1	1	-	-
Thickness	35	45	Micrometer	μm
Density	2.1	2.1	Archimedes law	g/cm ³
Heat resistance	120	120	-	°C
Flexibility	Flexible	Flexible	-	-
ROHS & REACH	Compliant	Compliant	-	-
ELECTRICAL				
Electrical conductivity	20000	20000	JIS K7194	S/cm
THERMAL				
Thermal conductivity XY axis	1500~1700	1500~1700	AC calorimeter	W/m*K
Thermal conductivity Z axis	5	5	Laser flash	W/m*K
Thermal diffusivity	8.92	8.92	AC calorimeter	cm ² /s
Heat capacity(SHC)	0.895	0.895	-	J/g*K

