

# 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/cm<sup>3</sup>

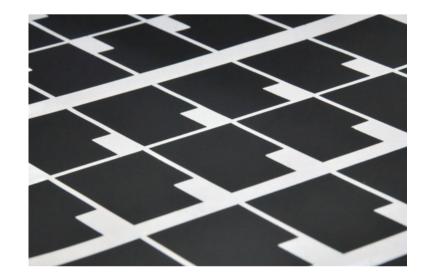
#### **TYPICAL APPLICATION**

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

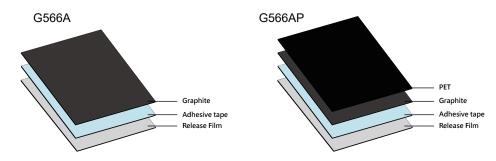
#### SPECIFICATIONS

/ 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/cm³
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	cm²/s
Heat capacity(SHC)	0.895	0.895	-	J/g*K



Note: All specifications provided by LiPOLY are subject to change without notice. The test methods used by LiPOLY are based on the TIM Tester method and ASTM D5470 test method. These test methods are used as the definition standards for LiPOLY. Property values provided in this document are not for product specifications or guaranteed. This document does not guarantee the performance and quality required for the purchaser's specific purpose. The purchaser needs to evaluate and verify the safety before using the material. We strongly recommend the purchaser pretest the product and verify the performance of the product targets' specific conditions. Liability and use of the product are the responsibility of the end user. LiPOLY makes no warranty as to the suitability, mon-infringement of any LiPOLY material or product for any specific or general uses. LiPOLY shall not be liable for incidental orconsequential damages of any kind. All LiPOLY products are sold in accordance with the LiPOLY Terms and Conditions in effect at the time of purchase and a copy of which will be (minished upon request. All inplut reserved, including LiPOLY trademarks or registered trademarks of LiPOLY or its affiliates. Statements concerning possible or suggested uses made herein shall not be relied upon or be constructed as a guaranty of patent infringement. Copyright LiPOLY