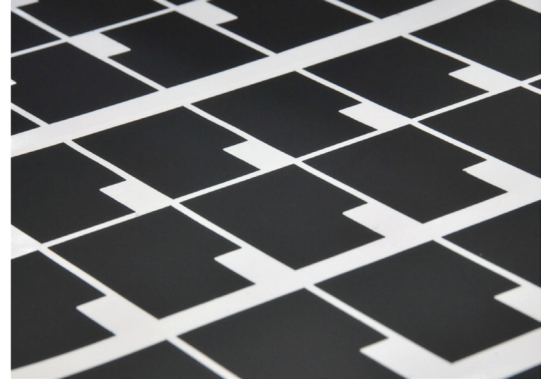


G566

Graphite Sheet

LiPOLY G566 Graphite Sheet has a thermal conductivity of 1700 W/m*K in the X-Y axis, making it ideal as a heat spreader. This product provides superior thermal management for items such as cellular devices, gaming systems and consumer electronics.



Features-

- Thermal conductivity: 1500~1700 W/m*K
- Excellent thermal performance
- Manufacturing friendly solution
- Lightweight
- Low thermal resistance

Typical Applications-

- Smart phones, Mobile phones
- LED, DSC, DVD appliance
- Hand held devices

Specifications-

- Sheet form
- Die-cut parts

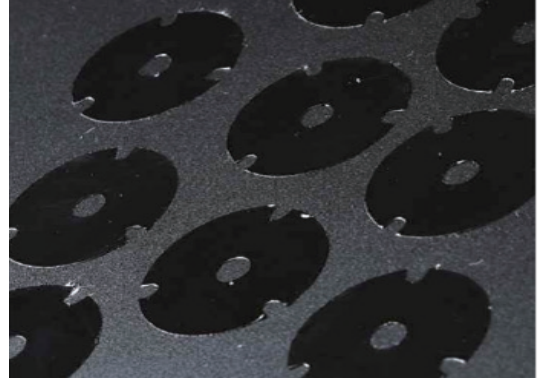
Typical Properties-

PROPERTY	G566		TEST METHOD	UNIT
Thickness	21		Micrometer	μm
Density	2.1		Archimedes law	g/cm ³
Heat resistance	400		-	°C
Flexibility	Flexible		-	-
ELECTRICAL				
Electrical Conductivity	20000		JIS K7194	S/cm
THERMAL				
Thermal Conductivity	XY axis	1500-1700	AC calorimeter	W/m-K
	Z axis	5	Laser flash	W/m-K
Thermal Diffusivity	8.92		AC calorimeter	cm ² /s
Heat Capacity(SHC)	0.895		-	J/g-K

TR332CU

Thermally Conductive Film

LiPOLY TR332CU is a thermally conductive film consisting of a thin graphite heat spreader laminated onto a thin copper film for superior thermal management and ease of manufacture. TR332CU can be supplied in various manufacturing friendly formats and custom die-cut for the ultimate convenience.



Features-

- Excellent heat transfer
- Manufacturing friendly form-factor
- Can be custom die-cut
- Flexibly conforms to surfaces

Typical Applications-

- Set top box
- NB
- Projector
- Mobile phone
- Hand held devices

Specifications-

- Sheet form
- Die-cut parts

Typical Properties-

PROPERTY	TR332CU		TEST METHOD	UNIT
Color	Black		Visual	-
Thickness	0.10	0.15	ASTM D374	mm
Weight loss	<0.1	<0.1	-	%
Application temperature	-60~120	-60~120	-	°C
Short time Temp. @30sec	150	150	-	°C
ADHESION				
Initial tack	25	11	PSTC-6	cm
RADIATION				
Heat emissivity coefficient	0.96	0.96	ASTM C1371	-
ELECTRICAL				
Dielectric strength(AV)	1	1.5	ASTM D149	KV
Surface resistivity	>10 ¹¹	>10 ¹¹	ASTM D257	Ohm
Volume resistivity	>10 ¹¹	>10 ¹¹	ASTM D257	Ohm-m
THERMAL				
Thermal Conductivity XY axis	1500	1500	ASTM D5470	W/m*K
Thermal Conductivity Z axis	1.2	1.2	ASTM D5470	W/m*K

※ These data are provided for reference only. Engineers are reminded to test the material in varied application.