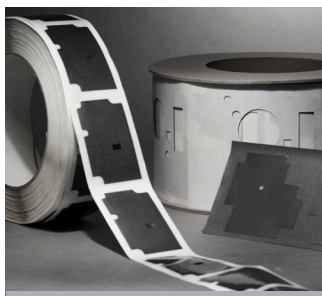


Flexible Graphite Thermal Solutions

Passive Thermal Management for Handheld Devices

eGRAF® SPREADERSHIELD™ flexible graphite heat spreaders give handheld device designers the tools to overcome the complex challenges associated with thermal management, including:

- Touch temperature reduction
- Thermal shielding of Li-Ion batteries
- Cooling of LED and power components
- Mitigation of AMOLED and LCD display hot spots
- RoHS compliant and UL 94V-0 certified



Features

- In-plane conductivity 300-1500 W/mK
- Anisotropic ratio up to 300:1
- Thicknesses as low as 25µm
- 30% lighter than Al and 80% than Cu
- Continuous reel-to-reel format

Benefits

- Spreads heat up to 4x Copper and 7x Aluminum
- Eliminates hot-spots and protects sensitive areas
- Enables the slimmest device designs
- Saves weight compared to metal alternatives
- Suitable for high volume production

Applications



Smartphones



Digital Video Cameras




Digital Still Cameras



Game Systems



PICO-Projectors

Applications		300 W/mK	400 W/mK	500 W/mK	600 W/mK	1500 W/mK
		SS300	SS400	SS500	SS600	SS1500
	3G/4G Phones				●	●
	Cameras				●	●
	Gaming Devices		●	●	●	●
	Pico Projectors			●	●	●

Our global team of Applications Engineers are knowledgeable about graphite and applications spanning multiple industries. These include metallurgical casting, electronics, chemical, nuclear, defense/aerospace, solar, LED, semiconductor, and other high temperature processes.

Regardless of your product design phase (concept, prototyping, or mass production), we offer technical answers to some of your most challenging problems with a fast response time.



Please contact a GrafTech Applications Engineer today at applicationsengineering@graftech.com

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+1 (216) 529-3777 (International)

Learn more about **eGRAF®** products and download our latest technical data sheets:
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egraf@graftech.com

Redefining limits



UL Certification:



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