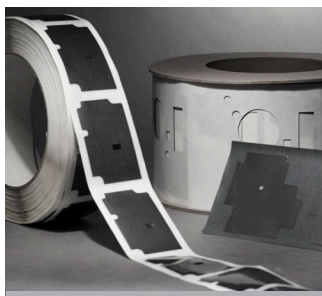


Flexible Graphite Thermal Solutions

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

+1 (800) 253-8003 (Toll-Free in USA)
 +1 (216) 529-3777 (International)

www.graftechAET.com | info@graftechAET.com

© 2017 Advanced Energy Technologies LLC. This information is based on data believed to be reliable but AET makes no warranties, express or implied, as to its accuracy and assumes no liability arising out of its use. The data listed falls within the normal range of product properties but should not be used to establish specification limits or used alone as the basis of design. AET's liability to purchasers is expressly limited to the terms and conditions of sale. eGRAF, GRAFGUARD® and GRAFOIL® are registered trademarks of Advanced Energy Technologies LLC. eGRAF, GRAFGUARD® and GRAFOIL® products, materials, and processes are covered by several US patents. For patent information visit www.graftechAET.com.

4.19.2017