

HITHERM™ Flexible Graphite

Advanced Thermal Management Solutions

eGRAF HITHERM high performance thermal interface materials (TIMs) are ideal for long life, mission critical applications with extreme heat cycles. HITHERM TIMs are made of flexible graphite specifically engineered for today's demanding power electronics devices.

- Maintains thermal performance indefinitely enabling long life, zero maintenance applications
- Best-in-class bulk thermal conductivity, up to 16 W/m-K
- Material thickness as thin as 0.127mm (0.005")
- RoHS compliant and 94V-0 UL rated



Features

- Through-plane conductivity up to 16 W/mK
- High conformability and wetting to unpolished surfaces
- Non-viscous, high purity flexible graphite*
- Die-cut, peel-and-stick part form factor

Benefits

- Extremely efficient heat transfer for high performance electronics devices
- High thermal joint conductance even at minimal clamping loads
- Will not flow or pump out under any thermal conditions or orientation; Will not outgas contaminants in sensitive devices
- Reworkable parts that do not require dispensing equipment or cleaning solvents

* HT2500 features oil impregnated flexible graphite

Applications



Solid State Lighting



Power Electronics



CPU/GPU Cooling



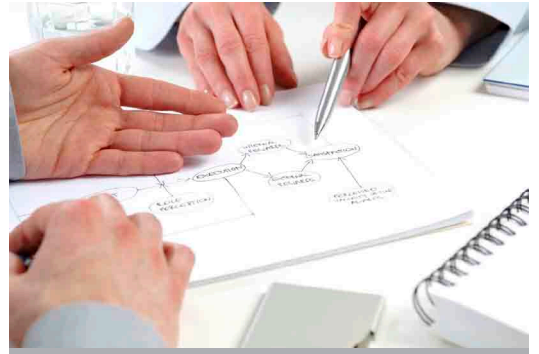
Wireless Base Stations

Coating Options	Laminated with plastics or adhesives to optimize for your application
Thermal Conductivity	6, 10 or 16 W/mK grades available*
Availability	Rolls, sheets, or die-cut parts, depending on application
Thickness Range	From 0.127 to 0.51mm (varies depending on thermal conductivity)
Certifications	Meets RoHS certifications
Flammability Rating	UL94V-0

* Properties listed are typical and cannot be used as accept/reject specifications

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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Redefining limits