



GCS-060-GS

SILICONE THERMAL GREASE

Product Image:



Product Configurations:

Part Number	Total Weight (g)
GCS-060-GS-20g	20
GCS-060-GS-30g	30
GCS-060-GS-1kg	1000

To Purchase:

<https://www.gcsthermal.com/product/gcs-060-gs/>

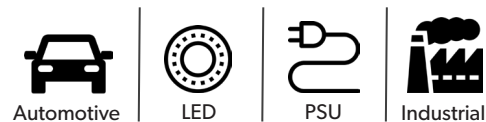
Features:

- 6.0 w/m·K thermal conductivity
- Easy to apply and rework, can be dispensed or printed
- High stability
- No dry out

Characteristics:

Characteristics	Test Method	Value
Colour	Visual	Grey
Thermal Conductivity (W/m·K)	ROCT8.140-82	>6.0
Thermal Impedance (°C-in ² /W)	ROCT8.140-82	<0.0016
Specific Gravity (g/cm ³)	ASTM D1475	2.35
Operation Temperature (deg C)	-	-20 - +130
Thixotropic Index (1/10mm)	GB/T-269	300±10
Dielectric Constant (v/mm)	-	500

This material is often used in these industries:





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General Product Information:

- GCS-060-GS is a high-performance, silicone-based thermal interface grease engineered for demanding thermal management applications. With a thermal conductivity of 6.0 W/m·K, it provides reliable and efficient heat transfer between heat-generating components and heat dissipation surfaces.
- GCS-060-GS is supplied as a grey, tacky, thixotropic grease, making it suitable for both manual application and high-volume automated dispensing. Its optimized rheology allows it to flow readily through a 20cc syringe, ensuring consistent, repeatable deposition in production environments.
- The grease is designed to operate over a temperature range of -20°C to +130°C, maintaining stable thermal performance across a wide range of operating conditions.
- GCS-060-GS is RoHS compliant, environmentally responsible, and suitable for use in both industrial and consumer applications. It is available in 20 g and 30 g syringes, as well as 1 kg pots.
- Typical applications include CPU-to-heatsink interfaces, power semiconductors, IGBTs, rectifiers, LED assemblies, thermoelectric cooler (TEC) modules, electronic control units (ECUs), memory and power modules, and battery systems, serving the automotive, industrial, LED lighting, and power supply sectors.

Country of Origin: China

Product Handling:

GCS-060-GS should be stored in a cool, dry environment away from direct sunlight and sources of heat. Keep the syringes or pots sealed when not in use to prevent contamination and maintain product consistency.

Prior to application, ensure that all mating surfaces are clean, dry, and free from dust, grease, and any residual thermal material. The paste should be applied in a thin, uniform layer to achieve optimal thermal contact and performance.

GCS-060-GS requires no curing and is ready to use directly from the syringe or pot. When dispensing from a 30cc syringe, no tip attachment is required for standard flow rates of 80–100 g/min.

For production environments, the material is compatible with automated dispensing equipment.

As with all thermal interface materials, avoid prolonged skin contact. The product is RoHS compliant and does not contain silicone, making it suitable for use in silicone-sensitive environments. Refer to the Safety Data Sheet (MSDS) for full handling, first aid, and disposal guidance.

Cleaning:

To remove GCS-060-GS from mating surfaces, use a suitable cleaning agent. For best results, first remove the bulk of the material using a clean, dry lint-free cloth or swab, before applying a cleaning solvent such as isopropyl alcohol (IPA) to the surface.

Wipe the surface clean using a fresh lint-free cloth, working in one direction to avoid spreading residual material. Repeat as necessary until the surface is completely clean and free from any trace of the paste before re-application.

Ensure adequate ventilation when using solvent-based cleaning agents. Refer to the relevant solvent Safety Data Sheet (MSDS) for full handling and disposal guidance.

Storage Conditions:

- Store in a cool, dry place away from direct sunlight and sources of moisture.
- Recommended storage temperature: 15°C to 25°C
- Keep the product in its original packaging until use to prevent contamination or damage.

Shelf Life:

- 24 months from the date of manufacture when stored under recommended conditions.
- Always check the product label for expiration date and batch information.

Contact Information:

GCS Thermal
Kilworth Sticks Farm and Lakes, Kilworth Road, Lutterworth LE17 6JG
www.gcsthermal.com
info@gcsthermal.com
02479 992426





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General Customer Responsibility:

- Customers are responsible for ensuring that GCS products are suitable for their intended application.
- Proper handling, storage, and installation in accordance with GCS guidelines are essential to ensure optimal product performance.
- Goods within the GCS product range may contain advanced materials that require specific handling or compliance measures, please refer to the MSDS or consult the product datasheet for details.

Customer Support:

- For technical assistance, product enquiries, or support with installation and usage, please contact: info@gcsthermal.com or visit <https://www.gcsthermal.com/blogs/>
- Our technical team is available to assist to ensure the product is used effectively and safely in your application.

Product Care:

- Please take care should be taken to avoid contamination, moisture, or mechanical damage before and during use.
- Avoid exposure to moisture, excessive mechanical stress, or contamination during storage and handling.
- Store in a cool, dry environment away from direct sunlight or extreme temperatures.

Product Life Cycle:

- GCS thermal interface materials are designed for long-term performance; however, their lifecycle may vary depending on operating conditions such as temperature, mechanical stress, and environmental exposure.
- Regular inspection is recommended in high-demand applications to ensure continued thermal efficiency.
- For detailed lifecycle expectations or testing data, please contact GCS Thermal and refer to Shelf Life.

Property Rights:

- All GCS products, technologies, and materials are subject to intellectual property rights owned or licensed by GCS Thermal.
- Unauthorised use, reproduction, or distribution of GCS Thermal products or documentation is strictly prohibited.
- Any trademarks, product names, or design features are the property of GCS Thermal or their respective owners.

General Terms and Conditions:

- All sales are subject to GCS Thermal's standard terms and conditions, which are available upon request or via our website.
- Customers are advised to review and understand these terms prior to purchase or use.

Directions for Use:

- GCS Thermal products are designed for easy integration into your application.
- Clean and prepare all surfaces before applying.

Contact Information:

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CERTIFICATIONS			PRODUCT GCS-060-GS	
				
CHECKED 04/08/2026	REVISION 1.1	DATE 04/08/2026		
DESCRIPTION SILICONE THERMAL GREASE		ORDER CODE GCS-060-GS	STATUS Live	SIZE/TYPE 20g/30g/1kg

