

TG GPU Guard

High Performance Cooling Solutions

The TG GPU Guard is a highly compressible foam gasket for GPUs, designed to protect electronic components when using liquid metal or other electrically conductive thermal interface materials, while at the same time increasing the lifespan of liquid metal. The TG GPU Guard covers the surface-mounted devices (SMDs) adjacent to the GPU and is slightly taller than the GPU die itself. The highly compressible foam is gallium-resistant and can easily compensate for height differences of the SMDs due to its compressibility. The base material has a height of 0.8 mm and can be compressed down to 0.15 mm.

When mounting the cooler, the applied pressure fully compresses the foam to bridge the height difference between the PCB and the cooler, ensuring that liquid metal (or other thermal compounds) cannot spread onto other components on the PCB. In addition, the foam gasket prevents oxygen from reaching the liquid metal, which further increases its durability.

The TG GPU Guard is available in two variants:

- The NVIDIA variant includes three gaskets each for the GPU dies of the GeForce RTX 5090, GeForce RTX 5080, and GeForce RTX 4090. For easier application, the gaskets are supplied on a transfer film.
- A universal size with dimensions 100 × 100 mm for custom cutting.

Notes

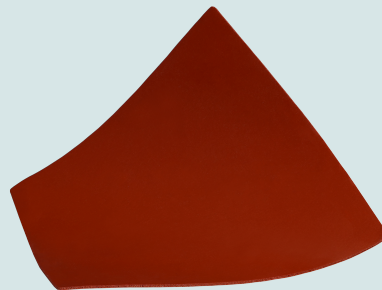
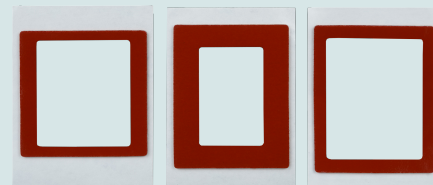
Apply the TG GPU Guard according to the instructions before applying liquid metal to the GPU and cooler. Not reusable.

When cutting the universal version, please observe the following points:

- Measure the chip and mark the outline on the foam with a permanent marker. The cutout in the foam should be 1–2 mm larger around the chip.
- Whenever possible, use a sharp scalpel on a suitable cutting surface.
- Work carefully and patiently
- Cut the opening for the GPU first
- Cut the outer edge last

Data

Item number:	EAN code:	Color:	PU:
TG-GG-100-100-08	4260711992094	red	20 Pcs.
TG-GG-01	4260711992087	red	70 Pcs.



Short Information

- Foam gasket surrounding the GPU die to protect electronic components when using liquid metal
- Gallium-resistant and highly compressible
- Increases the lifespan of liquid metal
- Available as a 9-piece set: 3x RTX 5090, 3x RTX 5080, and 3x RTX 4090
- Also available in a universal cut-to-size version
- Easy and secure installation

Please note

The data in this technical data sheet are based on our current knowledge and experience. Due to the large amount of possible factors, this should not be construed as to release the users from doing their own tests and screening. No legally binding assurance of specific properties or applicability for a concrete purpose should be derived from these data. Please consider contacting us for further detail. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

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