

# KryoSheet

## High Performance Cooling Solutions – Made in Germany

Thermal Grizzly introduces KryoSheet, a new product that is part of the company's advertised "High Performance Cooling Solutions". The graphene thermal pads of the Thermal Grizzly KryoSheet series can be used excellently as an alternative for thermal pastes from the higher performance segment. Similar to the Carbonaut pads, they have a conformable surface with very high thermal conductivity.

Compared to Carbonaut pads, KryoSheet as a high-end product offers significantly higher thermal conductivity. This increased thermal conductivity is not only due to the choice of material, but also to the innovative manufacturing process. KryoSheet does not contain any liquid components and is therefore not subject to normal ageing as is the case with traditional thermal paste. Drying out is not possible.

### What makes KryoSheet so special?

The KryoSheet graphene pads have a molecular structure stacked in the Z-direction. This optimised structure enables outstanding and constant thermal conductivity. Responsible for this is a specially developed manufacturing process in which the hexagonal crystal structure of the graphite is broken up along the basal plane in order to be able to exploit the anisotropy of the graphite's thermal conductivity. However, as a side effect of this elaborate manufacturing process, the electrical conductivity is also increased and the stability of the KryoSheet pads is affected, so that the pads should only be used according to instructions!



### Short information:

- Outstanding thermal conductivity
- Easy to use
- Constant high performance
- Extreme durability
- Attention: Electrically conductive!

### Easy to use

KryoSheet pads are initially available in sizes 24 x 12 mm, 25 x 25 mm, 29 x 25 mm, 33 x 33 mm, 38 x 38 mm, 44 x 37 mm, 50 x 50 mm, 68 x 51 mm and are each 0.2 mm thick. The pads should be purchased in a size that is minimally larger than the area to be covered. In the case of a desktop CPU (AMD AM4, Intel 1700) with a heat spreader (IHS) size of about 37 x 37 mm, the KryoSheet should be chosen in a size of 38 x 38 mm. After cleaning the contact surface (CPU, CPU cooler, GPU, GPU cooler), the KryoSheet is simply positioned on the processor or graphics chip to be cooled before the cooler is mounted.

## Technical data

<b>Unit:</b>	<b>Value/Description:</b>
Length:	0.2mm
Material:	Graphene
Color:	Black/Grey
Typical Application:	Thermal pads for processors and graphics chips

Item number:	EAN-Code:	Dimensions:	Package size:	*Net weight:	*Gross weight:	PU:
TG-KS-24-12	4260711990809	24 x 12 mm	17x10x1 cm	<1 g	17 g	20 Pcs.
TG-KS-25-25	4260711990816	25 x 25 mm	17x10x1 cm	<1 g	17 g	20 Pcs.
TG-KS-29-25	4260711990823	29 x 25 mm	17x10x1 cm	<1 g	17 g	20 Pcs.
TG-KS-33-33	4260711990830	33 x 33 mm	17x10x1 cm	<1 g	17 g	20 Pcs.
TG-KS-38-38	4260711990847	38 x 38 mm	17x10x1 cm	<1 g	17 g	20 Pcs.
TG-KS-44-37	4260711991271	44 x 37 mm	17x10x1 cm	<1 g	17 g	20 Pcs.
TG-KS-50-50	4260711990854	50 x 50 mm	17x10x1 cm	<1 g	17 g	20 Pcs.
TG-KS-68-51	4260711991028	68 x 51 mm	21x15x1,5 cm	<1 g	25 g	20 Pcs.

\*Net weight is the total weight of an article excluding the weight of packaging and accessories. The gross weight refers to the total weight of the product including accessories and packaging. Slight weight deviations are possible due to production factors.

## For whom is KryoSheet worthwhile?

The application areas of Carbonaut and KryoSheet overlap strongly. Due to the optimised thermal conductivity of KryoSheet compared to Carbonaut, the focus of the graphene pads is on enthusiast products in the consumer segment as well as on industrial applications. Examples for the use of KryoSheet are the refurbishing of used graphics cards and notebooks/laptops. Here, the ease of use as well as the durability of the KryoSheet pads offer themselves as plus points.

The long durability of the pads means that they are maintenance-free. In addition to applications in industry, for example in the construction of servers, this is also an advantage for DIY PC builders or in the OEM sector. Since the pads do not have to be replaced at regular intervals like thermal paste, there is no need for costly maintenance.

## Please note!

KryoSheet graphene pads are electrically conductive and should not be in contact with electrical components!

The KryoSheet in the size of 44 × 37 mm comes with a Kapton Insulation Sheet. This size is specifically designed for use on the GB202-300-A1 graphics chip of the NVIDIA GeForce RTX 5090. The Kapton Insulation Sheet serves to protect the chip and is applied around it on the surrounding electronic components (SMDs).

## 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.

## Scope of delivery:

- 1x KryoSheet

## Trademark Information:

Thermal Grizzly is a registered trademark.