TG PadMate



High Performance Cooling Solutions

The TG PadMate is a practical tool for mechanically measuring thermal pad thickness. Made from flexible plastic, it helps narrow down the original nominal thickness of existing thermal pads, for example when replacing the pads on a graphics card.

The thermal pad is slightly compressed during measurement. The reading may therefore be lower than its original nominal thickness. The reference table in the instructions helps match the reading to the likely nominal pad thickness. The reference ranges were determined using Thermal Grizzly MinusPad 8. Readings may differ with other pad materials.

The TG PadMate is available separately or as a set with Thermal Grizzly MinusPad 8 thermal pads.

Scope of Delivery

TG PadMate

- 1x TG PadMate

TG PadMate – MinusPad 8 Set

- 1x TG PadMate
- 4x MinusPad 8, 120 × 20 × 0.5 mm
- 4x MinusPad 8, 120 × 20 × 1.0 mm
- 2x MinusPad 8, 120 × 20 × 1.5 mm
- 2x MinusPad 8, 120 × 20 × 2.0 mm
- 1x MinusPad 8, 120 × 20 × 2.5 mm
- 1x MinusPad 8, 120 × 20 × 3.0 mm

Product Variants

TG PadMate

The standalone version contains the TG PadMate for determining the thickness of existing thermal pads.

TG PadMate – MinusPad 8 Set

The set contains the TG PadMate and 14 MinusPad 8 thermal pads, each measuring 120 × 20 mm. Six included pad thicknesses from 0.5 to 3.0 mm allow users to select a suitable thickness for their application. The pads are suitable for use between components such as voltage regulators (VRMs), graphics memory (VRAM) or M.2 SSDs and their respective coolers.

Product Features

- Tool for mechanically measuring thermal pad thickness
- Made from flexible plastic
- Easy to use
- Reference table for nominal pad thicknesses from 0.5 to 5.0 mm
- Available separately or as a set with 14 MinusPad 8 thermal pads
- Set includes six pad thicknesses from 0.5 to 3.0 mm
- Thermal pads with high compressibility, electrically non-conductive and RoHS-compliant

MinusPad 8 Thermal Pads

The MinusPad 8 thermal pads included in the set feature an elastic, conformable surface and medium thermal conductivity. Their high compressibility allows them to compensate for differences in height between components and the cooler.

The flexible, easy-to-handle pads are based on a ceramic silicone formulation with nano-aluminium oxide. Even low mounting pressure enables good thermal contact. The pads are electrically non-conductive and RoHS-compliant.

Usage Notes

Measure at two to three flat, undamaged locations on the thermal pad without applying additional pressure. Compare a representative reading with the reference table in the instructions. Avoid deep impressions and damaged areas.

Soft pads compress more than hard pads. Previously installed pads may also be deformed. Readings can therefore vary depending on the material and condition of the pad.

The gaps between the reference ranges are intentional. Intermediate thicknesses such as 0.75, 1.25 or 3.5 mm are also possible. Do not automatically round readings between two ranges to a standard thickness.

The TG PadMate helps narrow down the original nominal pad thickness but does not replace the material specifications provided by the manufacturer.

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Technical Data

Property	TG PadMate	TG PadMate – MinusPad 8 Set
Product type	Thermal pad measuring tool	Set of measuring tool and thermal pads
Measuring tool	TG PadMate	TG PadMate
Measuring principle	Mechanical	Mechanical
Measuring tool material	Flexible plastic	Flexible plastic
Nominal pad thicknesses in reference table	0.5 / 1.0 / 1.5 / 2.0 / 2.5 / 3.0 / 4.0 / 5.0 mm	0.5 / 1.0 / 1.5 / 2.0 / 2.5 / 3.0 / 4.0 / 5.0 mm
Included thermal pads	None	Thermal Grizzly MinusPad 8
Number of thermal pads	-	14
Length x width per pad	-	120 x 20 mm
Included pad thicknesses	-	0.5 / 1.0 / 1.5 / 2.0 / 2.5 / 3.0 mm
Pad material base	-	Ceramic silicone formulation with nano-aluminium oxide
Pads electrically conductive	-	No
Pads RoHS-compliant	-	Yes

Name:	Item number:	EAN code:	Packaging size:	Net weight:*	Gross weight:*
TG PadMate	TG-PM-01	4260711993046	10.6 x 7.8 x 1.2 cm	5.5g	8g
TG PadMate – MinusPad 8 Set	TG-MP8-PM-01	4260711993039	13.3 x 8.1 x 2 cm	163.5g	186.5g

*The net weight is the total weight of an item excluding the weight of the packaging and accessories. The gross weight refers to the total weight of the product including accessories and packaging. Minor weight deviations may occur due to production tolerances.

Trademark Information

Thermal Grizzly is a registered Trademark.

Please Note

The information in this technical data sheet is based on our current knowledge and experience. Due to the wide range of possible influencing factors during use, it does not release the installer or user from carrying out their own checks and tests. No legally binding assurance of specific properties or suitability for a particular intended use can be derived from the information provided.

We reserve the right to make changes to product specifications as part of technical progress or operational development. Our recommendations do not release the user from the obligation to independently check and, if necessary, resolve any potential infringement of third-party intellectual property rights. Depending on the individual case, we recommend consulting us. Subject to typographical errors.

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