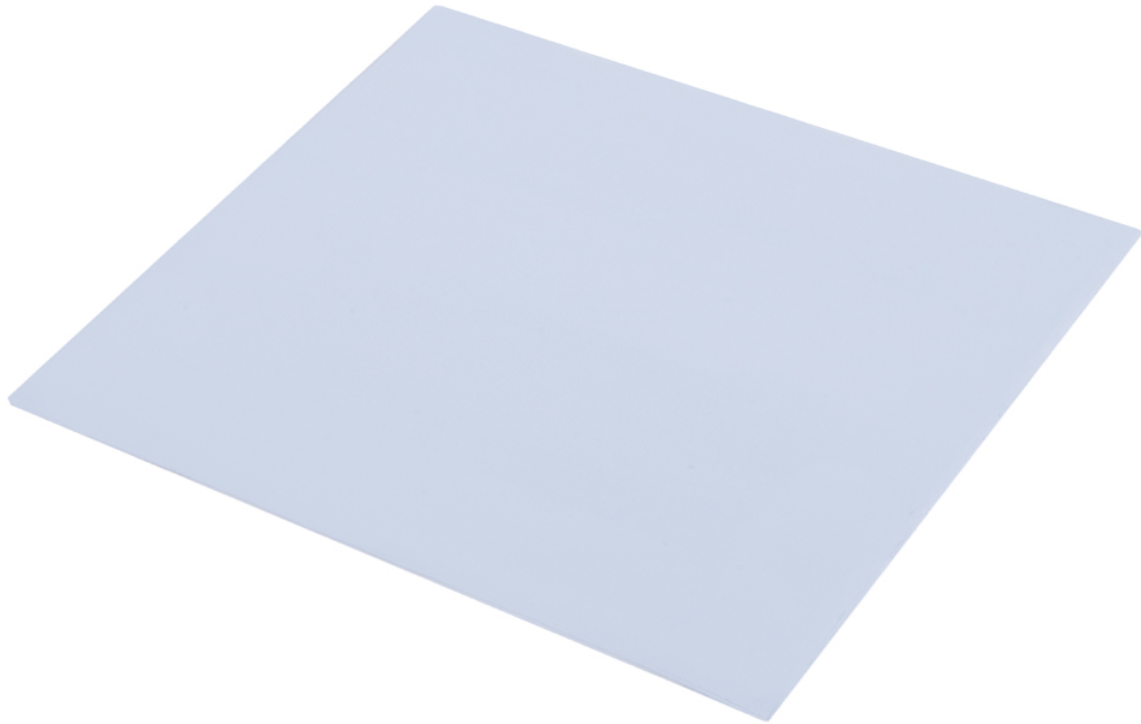


Alphacool Apex Soft Thermal Pad 14W/mk 100x100x1mm

Alphacool article number: 13020



Quick Info

The Apex Soft thermal pads are Alphacool's high-end solution in the field of thermal interface materials. Thanks to their outstanding properties, they can almost be compared to thermal paste. Apex Soft thermal pads conform much better to components, resulting in a significant improvement in cooling performance.

- Extremely durable and long-lasting
- Flexible and easy to work with
- Excellent thermal conductivity

Scope of delivery

1x Apex Thermal Pad Soft 16W/mK 100x100x0,5mm

Technical data thermal pad

Dimensions (L x W x H)	100 x 100 x 1,0mm
Specific gravity (ASTM D792)	3.2 g/cc
Thermal Conductivity	14.0 W/mK
Hardness (ASTM D2240)	80 Shore 00
Working temperature	-40 to +150 °C
Volume Resistance (ASTM D257)	1.0x10 ¹¹ Ohm-m
Dielectric Breakdown Voltage (ASTM D150)	6.8 MHz
Density (ASTM D792)	3.6 g/cm ³ (±10%)
Dielectric breakdown (ASTM D149)	13 kV/mm
Flame Rating (UL 94)	V-0
Color	grey

Download links

Product pictures	13020_Alphacool_Apex_Soft_Thermal_Pad_14W-mk_100x100x1mm_pics.zip
EU-DoC / CE / RoHS	Alphacool_EuDoc_CE_RoHS_13020.pdf

Packaging dimensions per unit

L x W x H	130 x 130 x 2 mm
Weight	45 g

Other data

Certificates	CE, FC, RoHS
EAN	4250197130202
Customs code	84733080000

Article text

The Apex Soft thermal pads are Alphacool's high-end solution in the field of thermal interface materials. Thanks to their outstanding properties, they can almost be compared to thermal paste. Apex Soft thermal pads conform much better to components, resulting in a significant improvement in cooling performance.

The material used in Apex Soft pads behaves similarly to thermal paste. Its consistency prevents higher-standing components, such as voltage regulators or VRAMs, from being subjected to excessive mounting pressure from the cooler – which, in the worst case, could lead to PCB bending. Apex Soft pads fill surface irregularities more effectively and conform more closely to component shapes, which significantly enhances thermal transfer between the cooler and the hardware.

The special material also does not dry out over time. Standard thermal pads often begin to bleed silicone over time, making them hard and drastically reducing their performance. This is not the case with Apex Soft pads. They can be used for much longer periods without a noticeable drop in performance.

When cutting the pads to size, it's important to leave the protective film on. This allows the pads to be easily cut with scissors – just like cutting paper. The cut edges remain clean and do not fray.

Alphacool's Apex Soft thermal pads offer significantly better performance than conventional thermal pads in many aspects and are the perfect replacement for old or underperforming pads.