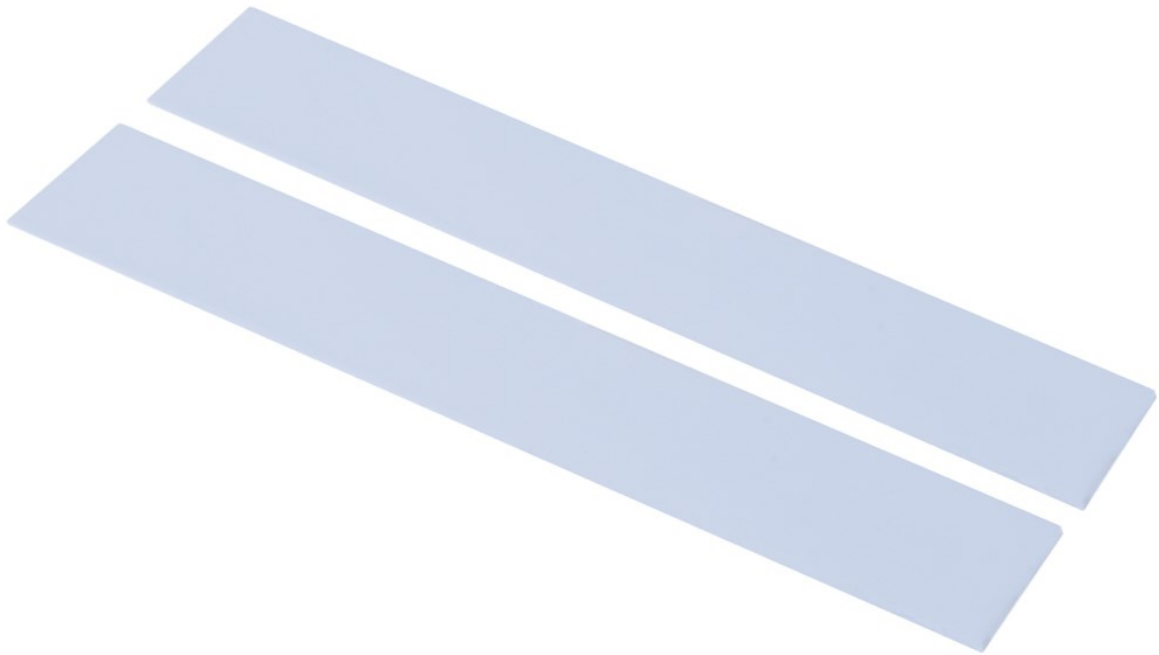


Alphacool article number: 13021

The Apex Soft are Alphacool's high-end solution in the range of thermal pads. Due to their outstanding properties, they can almost be compared to a thermal paste. The Apex Soft thermal pads nestle much better to components, which contributes to a significant improvement in cooling performance.

## Alphacool Apex Soft Thermal Pad 11 W/mk 2x 120x20x1mm



- Extremely durable
- Flexible and easy to work with
- Excellent heat transfer

## Scope of delivery

2x Alphacool Apex Soft Thermal Pad 11 W/mk 120x20x1mm, Light Gray

## Technical data

L x W x H	120 x 20 x 1 mm
Colour	Grey
Specific Gravity ASTM D792	3,4 g/cc
Thermal Conductivity ASTM D5470	11.0 W/mK
Hardness ASTM 2240	72 Shore OO
Useful Temperature	-40 to +150 °C
Volume Resistivity ASTM D257	1.0x10 <sup>11</sup> Ohm-m
Dielectric Constant ASTM D150	7,2 MHz
Dielectric Breakdown Voltage ASTM D149	14 kV/mm
Flame Rating UL 94	V-0
Weight	20 g

## Download links

Product pics	<a href="https://www.alphacool.com/download/1021779_Apex_Soft_Thermal_Pad_11Wmk_2x_120x20x1mm_pics.zip">https://www.alphacool.com/download/1021779 Apex Soft Thermal Pad 11Wmk 2x 120x20x1mm pics.zip</a>
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## Dimensions VPE 1 unit

L x W x H	14 x 12,5 x 0,4 cm
Weight	0,043 kg

## Other data

Certificates	CE, FC, RoHS
EAN	4250197130219
Customs Code	84733080000

We assume no responsibility for any typing errors.

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The Apex Soft are Alphacool's high-end solution in the range of thermal pads. Due to their outstanding properties, they can almost be compared to a thermal paste. The Apex Soft thermal pads nestle much better to components, which contributes to a significant improvement in cooling performance.

### **Better than standard thermal pads?**

The material of the Apex Soft heat thermal pads acts similar to thermal paste. The consistency of the pads prevents the highest components, such as voltage converters or VRMs, from being subjected to increased contact pressure from the cooler. In extreme cases, this pressure can cause PCBs to bend. The Apex Soft Pads fill unevenness much better, nestle better against the components and thus significantly increase the heat transfer between the cooler and the component.

### **But that is not the only advantage!**

The special material also cannot dry out. Usually, the silicone of heat-conducting pads bleeds out over time. This makes them go hard and the performance of the pads drops rapidly after a certain point. This is not the case with the Apex Soft thermal pads. They can be used for a much longer period of time without significantly losing performance.

### **Cutting to size? No problem!**

When cutting the heat-conducting pads to size, it is essential to leave the foil on the pads. This makes it easy to cut the pads to size with scissors. This is just as easy as cutting paper. The cut edges remain perfectly clean and do not fray.

The Alphacool Apex Soft thermal pads offer better performance than standard thermal pads in many respects and are a perfect replacement for old or underperforming pads.