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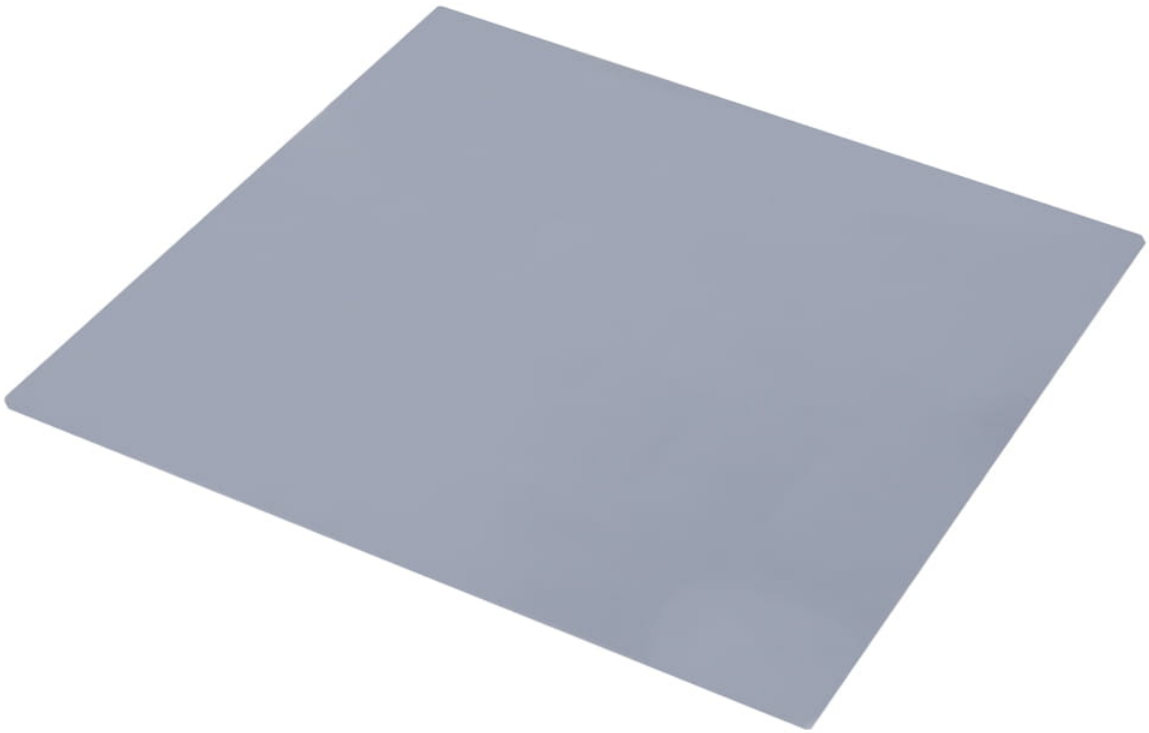
Alphacool Rise Ultra Soft thermal pad 7W/mk 100x100x1mm

Alphacool article number: 13012



Quick Info

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

- Fits perfectly to components
- High performance and reliable
- Can be cut to any size

Scope of delivery

1x Rise Ultra Soft thermal pad

We assume no responsibility for any typing errors. Alphacool International GmbH, Marienberger Strasse 1, 38122 Braunschweig Tel: (+49)0531 288 7400 Supportmail: info@alphacool.com

Technical data

Dimensions (L x W x H)	100 x 100 x 1mm
Specific Gravitiy ASTM D792	3,3 g/cc
Thermal Conductivity ASTM D5470	7.0 W/mK
Hardness ASTM 2240	25 Shore OO
Useful Temperature	-40 to +160 °C
Volume Resistivity ASTM D257	5,2x1013 Ohm-m
Dielectric Constant ASTM D150	4,5 MHz
Dielectric Breakdown Voltage ASTM D149	5,5 kV/mm
Flame Rating UL E331100	UL94 V0
Weight	40 g
Color	Grey

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Safety data sheet	13012_Alphacool_Rise_Ultra_Soft_thermal_pad_7W-mk_100x100x1mm_SDS.pdf
Product pictures	13012_Alphacool_Rise_Ultra_Soft_thermal_pad_7W-mk_100x100x1mm_pics.zip
EU-DoC / CE / RoHS	Alphacool_EuDoc_CE_RoHS_13012.pdf

Packaging dimensions per unit

L x W x H	110 x 150 x 5 mm
Weight	20 g

Other data

Certificates	CE, FC, RoHS
EAN	4250197130127
Customs code	84733080000

Article text

The Rise Ultra Soft are Alphacool's performance oriented solution in the range of thermal pads. Due to their outstanding properties, they can almost be compared to a thermal paste. The Rise Ultra 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 Rise Ultra 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 Rise Ultra 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 Rise Ultra 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 Rise Ultra Soft thermal pads offer better performance than standard thermal pads in many respects and are a perfect replacement for old or underperforming pads.