Conductonaut

High Performance Cooling Solutions

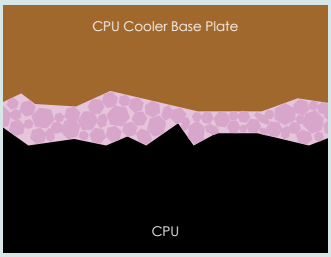
Conductonaut is a liquid metal thermal conductive paste with a eutectic alloy of the metals tin, gallium and indium, among others. The combination of these three metals enables extremely high thermal conductivity in the temperature range of over 8° Celsius compared to traditional thermal conductive pastes at a good price-performance ratio.

Liquid Metal Thermal Compound: The top product for experienced users

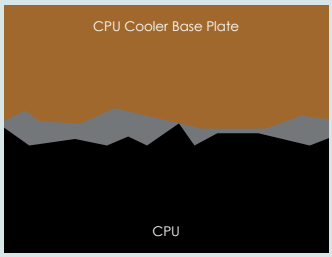
Conductonaut liquid metal not only offers higher thermal conductivity compared to conventional thermal paste due to its tin, gallium and indium components. The significantly better thermal conductivity is also due to the layer thickness, which is very thin with liquid metal. In contrast to conventional pastes, Conductonaut does not consist of solid particles and can therefore fill even the smallest unevenness in the nanometer range and enables the minimum layer thickness for optimum performance.

Short information

- Optimised thermal conductivity compared to conventional liquid metal
- Increased material compatibility
- Optimal application due to metal needle
- Available in 1g or 5g syringes
- Attention: electrically conductive!
- Do not bring into contact with aluminium!



Thermal Paste



Conductonaut

Please note: Storage conditions

Thermal Grizzly Conductonaut should be stored in dry rooms and at room temperature in its original packaging. If the application temperature falls below a minimum of 8 °C during storage or transport, we recommend warming the product to at least 25 °C before use.

Technical data

Unit:	Value/Description:
Density:	6.24g/cm³
Application temperature**:	8 °C-150 °C
Operating temperature***:	-50 °C to 200 °C
Consistency****:	Liquid
Colour:	Silver
Thickness:	Variable
Silicone based:	No
Electrically conductive:	Yes
Typical application:	CPU, GPU, notebooks, IC

Item number:	EAN-Code:	Weight:	Package size:	*Net weight:	*Gross weight:	PU:
TG-C-001-R	4260711990243	1 g	19x10x1 cm	4 g	18 g	40 Pcs.
TG-C-005-R	4260711990250	5 g	19x10x1 cm	8 g	20 g	25 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.
**Conductonaut can be applied to the surface in this temperature range. If the application temperature has been undercut during storage and transport, it is recommended to heat the product to at least 25°C beforehand. Do not use a microwave under any circumstances.
***The operating temperature corresponds to the temperature after application and may be lower than the application temperature. Very low temperatures can severely alter application and operation. Appropriate application tests and long-term tests are strongly recommended before any specific application.
****refers to a temperature range of 25 °C - 500 °C.

Scope of delivery

Conductonaut is supplied with a metal needle and a plastic needle. The metal needle enables a finely dosed application of the liquid metal, while too much applied liquid metal can be absorbed back into the syringe with the plastic needle. Two special, non-fluffy industrial cotton swabs are included for even distribution of the liquid metal.

- 1x syringe with liquid metal
- 1x metal needle
- 1x plastic needle
- 2x industrial cotton buds
- 2x alcohol pads

Trademark Information

Thermal Grizzly is a registered trademark.

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.

Thermal Grizzly Holding GmbH
High Performance Cooling Solutions
Gewerbestraße 39
16540 Hohen Neuendorf, Germany

E-Mail: sales@thermal-grizzly.com
Tel.: +49-40-53 27 88 50
Fax: +49-321-21 13 47 93
Web: www.thermal-grizzly.com

CEO: Dipl.-Inf. (FH) Eike Salow,
B. Eng. Roman Hartung
USt. - IdNr.: DE337710926
Amtsgericht Neuruppin HRB 14296