

# Hydronaut PRO

## High Performance Cooling Solutions

Hydronaut Pro is a silicone-free thermal paste with an optimized formulation that is suitable for use in both industrial systems and high-performance PC systems. Thanks to its outstanding thermal conductivity, it is particularly well suited for applications with large-surface heat sinks, such as gaming PCs with custom water cooling. Hydronaut Pro is also suitable for overclocked processors or processors with a high TDP in watts (Intel Core i5/i7, AMD Ryzen 5/7). Hydronaut Pro combines high performance with an attractive price-performance ratio and is also designed for overclocking applications.

## Silicone-Free for Industrial Systems

Hydronaut Pro thermal paste features a silicone-free carrier structure. In many thermal pastes, silicone-based oils (e.g., siloxanes) are used as the carrier fluid or as a component of the matrix. Under thermal stress, especially during temperature fluctuations, changes in the paste may occur, such as bleeding and displacement of the paste from the contact zone. Repeated temperature fluctuations as well as micro-movements between the CPU IHS and the cooler base can intensify this effect. The mechanical displacement of the paste from the contact surface is referred to as the pump-out effect.

In normal PC use, this is generally uncritical. In industrial applications, however, leaking silicone-based oil may be undesirable, particularly if adjacent materials or sealing materials (e.g., certain EPDM or NBR seals) are incompatible with silicone oils. This can lead to swelling or changes in material properties. The product is RoHS compliant and designed as an easy-to-apply thermal interface material for demanding users.

## Trademark Information

Thermal Grizzly is a registered Trademark.



## Scope of Delivery

- 1x Hydronaut Pro
- 1x TG Spatula
- 1x TG Spatula Pro
- 1x Applicator
- 1x Certificate of Origin

## Short Information

- Suitable for industrial applications
- Outstanding thermal conductivity
- No curing
- Silicone-free
- Electrically non-conductive

## 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.

## Technical Data

Unit:	Value/Description:
Colour	Neon green
Electrical conductivity	0 pS/m
Typical application	CPUs, GPUs, Notebooks, ICs

Name:	Item number:	EAN code:	Packaging size:	*Net weight:	*Gross weight:
Hydronaut Pro	TG-HP-002	4260711992926	10 x 19.6 x 1.5cm	2g	12g
Hydronaut Pro	TG-HP-006	4260711992933	10 x 19.6 x 1.5cm	6g	16g
Hydronaut Pro	TG-HP-030	4260711992940	8.2 x 4.2 x 6.1 cm	30g	58g

\*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.