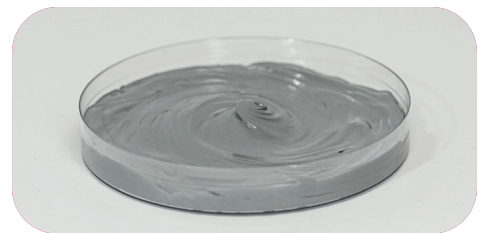


# KP 97, 98, 99, 12 & 14

## KERATHERM® Thermal Grease

### Benefits

- Outstanding thermal performance
- Easy to apply
- Available in different packaging forms (syringe, cartridges, cans & hobbocks)
- Available as silicone and silicone free option
- Very low bond line thickness



Properties	Unit	97	98	99	12 silicone free	14 silicone free
Colour		white	grey	anthra- cite	silver	dark- grey
← softy/pasty →						
<b>Thermal Properties*</b>						
DeltaT	°C	≤1.6	≤1.4	≤1.2	≤1.2	≤1.2
Thermal conductivity λ**	W/mK	5.0	6.0	9.2	10.0	10.0
<b>Electrical Properties*</b>						
Electrical conductivity (according to DIN 51412-1)	pS/m	0	0	0	53	0
<b>Mechanical Properties</b>						
Measured thickness (+/-10%)	mm	0.025	0.025	0.025	0.025	0.025
<b>Physical Properties</b>						
Application temperature	°C	-60 to +200	-60 to +200	-60 to +200	-60 to +150	-60 to +150
Density	g/cm <sup>3</sup>	2.1	2.2	1.9	1.4	2.2
Viscosity***	Pas	70-110	110-150	90-140	30-60	150-180
Total mass loss (TML)	Ma.-%	<1.3	<1.5	<0.80	<0.1	<0.25
Possible thickness	mm	← variable →				

KERATHERM® Thermal Greases are ceramic-filled single component silicones with a high thermal conductivity.

The thermal grease KP 99 is a high-quality thermal grease. The homogeneous thixotropic grease shows a very good fluidity thanks to its low viscosity characteristics, which leads to a good surface adaptation. The silicone free thermal compound KP 12 & KP14 consists of synthetic, thermal polymers and is suitable for a fast and effective heat dissipation. The paste is particularly suitable for silicone sensitive application. If any separation of the filler materials becomes evident, the KP´s must be mixed thoroughly before use according to the corresponding processing instructions.

**Special packing on request!**

\* Measured @ thickness 0.025 mm \*\* reference value: old measurement method \*\*\* Shear rate 4.6s<sup>-1</sup> / 25°C

## Note

### Disclaimer of Warranties and Limitation of Liability

The specifications provided in this data sheet do not constitute a guarantee or warranty of specific product properties („quality guarantee“). These specifications are derived from our standardized testing procedures conducted under controlled laboratory conditions and are intended to describe the typical properties of the products as expected under standard applications. Variations may occur depending on the specific application. Accordingly, it is the responsibility of the customer to test and evaluate the products for their intended use, and adjustments to the application may be required.

The customer assumes full responsibility for the safety and functionality of their applications in which these products are integrated. Appropriate safety measures must be implemented to prevent bodily injury, fire, or other damages resulting from product defects. The customer is also responsible for ensuring that the design of their application complies with all applicable laws, regulations, codes, and standards.

Unless expressly authorized by us in writing, our products must not be used in any application where product failure or the consequences thereof could reasonably be expected to result in personal injury or harm. We make no representations, warranties, or assurances regarding the accuracy, completeness, or suitability of the information contained herein, including, without limitation, any warranty of non-infringement of third-party intellectual property rights.

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