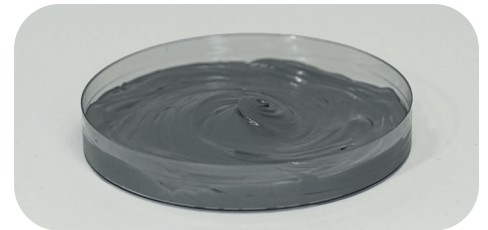


KP 97, 98, 99, 12 & 14

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 →				
Thermal Properties*						
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
Electrical Properties*						
Electrical conductivity (according to DIN 51412-1)	pS/m	0	0	0	53	0
Mechanical Properties						
Measured thickness (+/-10%)	mm	0.025	0.025	0.025	0.025	0.025
Physical Properties						
Application temperature	°C	-60 to +200	-60 to +200	-60 to +200	-60 to +150	-60 to +150
Density	g/cm ³	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⁻¹/ 25°C