

KP 99

Thermal Grease



The thermal grease KP 99 is a high-quality thermal grease. The homogeneous and thixotropic grease shows a very good fluidity thanks to its good viscosity characteristics. An optimum surface adaptation is guaranteed.

Regarding long-term behaviour, the grease does not show any embrittlement or any tendency to cracking but a very good aging resistance. Optimally, you apply this grease in thicknesses of 20-40µm.

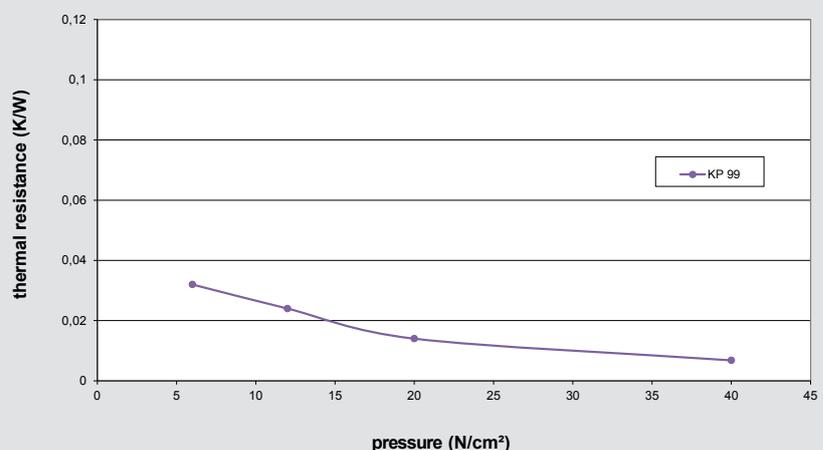
Packing units

- Syringes: 5 ml
- Cartouche: 75 ml / 310 ml / 360 ml
- Cans: 0.5 kg / 1.0 kg

Properties	Unit	KP 99
Colour		anthracite
Compound		pasty
Thermal Properties		
Thermal resistance R_{th}	K/W	0.0068
Thermal impedance R_{ti}	°Cmm ² /W	2.72
	Kin ² /W	4.2 x 10 ⁻³
Thermal conductivity λ	W/mK	9.2
Electrical Properties		
Electrical conductivity (according to DIN 51412-1)	pS/m	0
Mechanical Properties		
Measured thickness (+/-10%)	mm	0.025
Physical Properties		
Application temperature	°C	-60 to +150
Density	g/cm ³	1.9
Viscosity*	Pas	90 - 140
Total mass loss (TML)	Ma.-%	- 0.80
Possible thickness	mm	variable
Long term stability (1000h / 85°C / 85% relative humidity)		
Thermal resistance 1000h	KW	0.0068

* Shear rate 4s⁻¹ / 25°C

Compression KP 99



Important notes

The data presented in this leaflet are in accordance with the present state of our knowledge. All statements, technical information and recommendations herein are based on tests we believe to be reliable. The customer is thereby not absolved from carefully checking all supplies immediately on receipt. The recommendations made in this catalogue should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. Before using, user shall determine the suitability of the product for its intended use, and the user assumes all risks and liability whatsoever in connection there with. We reserve the right to alter product constants within the scope of technical process or new developments. The recommendations do not absolve the customer from the obligation of investigating the possibility of infringement of third parties right and, if necessary, clarifying the position. Sellers' and manufacturer' only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable either in tort or contract for any loss or damage, direct or incidental, or consequential, including loss of profits or revenue arising out of the use or the inability to use a product. No statement, purchase order or recommendations by seller or purchaser not contained herein shall have any force or effect unless in an agreement signed by the officers of the seller and manufacturer.

02-09-2015