

Keratherm[®] - Thermal Grease KP 12 silicone free

NEW

Applications:

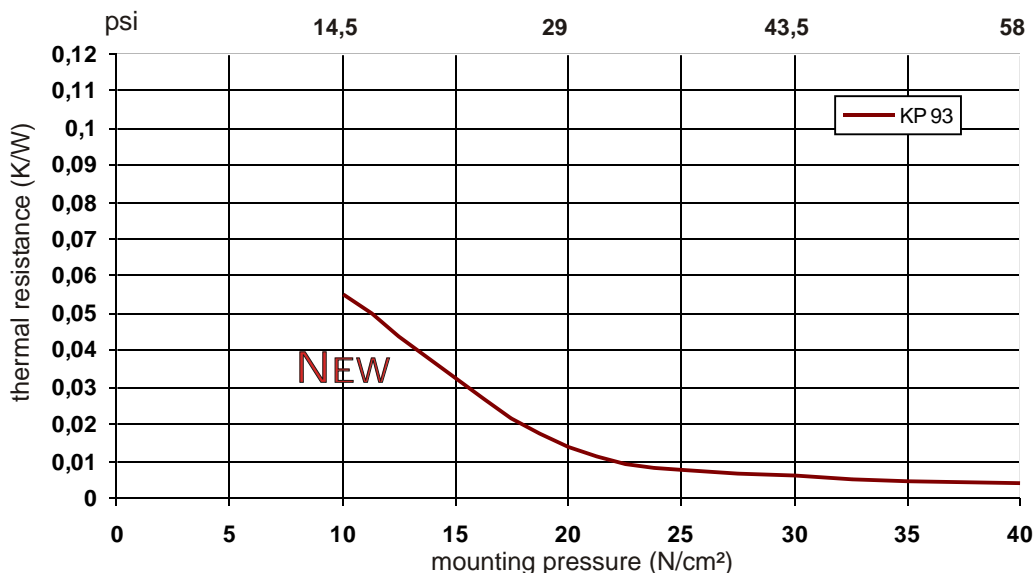
- Notebooks
- Desktop CP'U's
- IGBT units



Properties	Unit	KP 12 silicone free
Color		silver
Compound		soft / pasty
Thermal Properties		
Thermal resistance R_{th}	K/W	0.006
Thermal conductivity	W/mK	10.0
Electrical Properties		
Dielectric breakdown $E_{d, ac}$	KV/mm	-
Mechanical Properties		
Coating thickness (+/-10%)	mm	0.03-0.06
Density	g/cm ³	1.4
Application temperature	°C	-60 to +150
Long term stability (1000h / 85°C / 85% relative humidity)		
Thermal resistance R_{th}	K/W	0.006
TML	Ma.-%	0.1

The silicone-free thermal compound KP12 consists of synthetic, thermal polymer and is suitable for a fast and effective heat dissipation. The paste is particularly suitable for silicone sensitive applications. Its long-term stability guarantees a full operability during the entire life span of the product. Under normal application conditions the KP12 silicone-free does not harden, dry out or drain melt.

**Comparison of the thermal resistance of KP 12 silicone free
in dependence on the contact pressure**



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.
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