

Datasheet

Keratherm[®] - Thermal Grease

KP 68, KP 77, KP 92, KP 93

NEW

Applications:

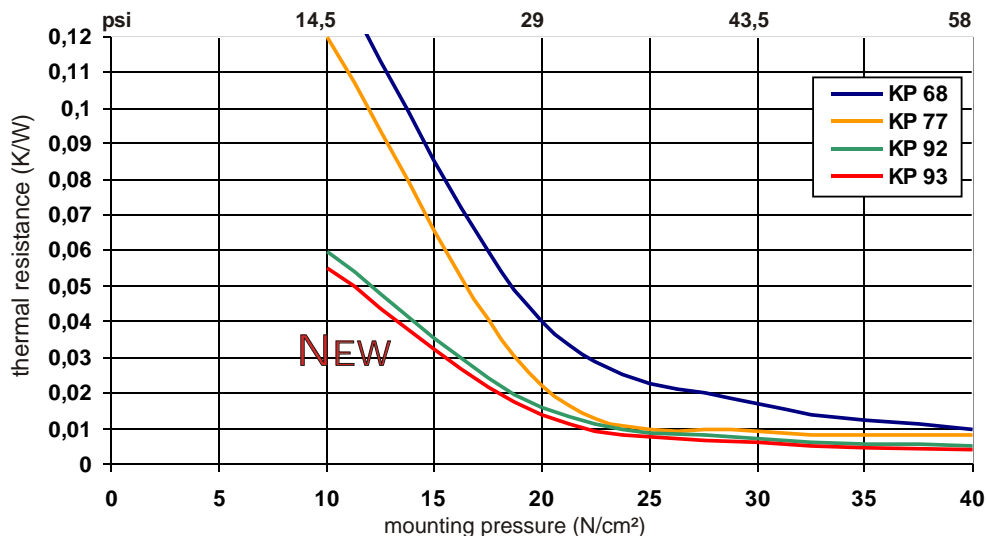
- Notebooks
- Desktop CP'U's
- IGBT units



Properties	Unit	KP 68	KP 77	KP 92	KP 93
Color		black	white	silver	silver
Compound		soft / pasty			
Thermal Properties					
Thermal resistance R_{th}	K/W	0.01	0.009	0.007	0.006
Thermal conductivity	W/mK	7.0	8.0	10.0	10.0
Electrical Properties					
Dielectric breakdown $E_{d, ac}$	KV/mm	0.5	2.0	-	-
Mechanical Properties					
Coating thickness (+/-10%)	mm	0.03-0.06			
Density	g/cm ³	1.54	1.30	2.6	1.4
Application temperature	°C	-60 to +200			
Long term stability (1000h / 85°C / 85% relative humidity)					
Thermal resistance R_{th}	K/W	0.02	0.01	0.008	0.006
TML	Ma.-%	0.3	0.3	0.09	0.01

Ceramic-filled single-component silicone with a high thermal conductivity. The non-crosslinked thermal compounds do not dry out. The silicone components do not leak out of the compound. Special storage of Keratherm "Thermal Grease" is not required, therefore they can be stored under normal climate conditions for up to 12 months. If any separation of the filler materials becomes evident, the KP's must be mixed thoroughly before use.

**Comparison of the thermal resistance of different pastes
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 therewith. 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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