

Keratherm Thermal Grease



Ceramic-filled single component silicone with a high thermal conductivity.

The non-crosslinked thermal compounds do not dry out.

APPLICATIONS

- Notebooks
- Desktop CPU's
- Heat Pipes

DISCLAIMER: Purchaser shall be solely responsible for determining the adequacy of the product for any and all uses which the purchaser shall apply the product, and the application of the product by the purchaser shall not be subject to any implied warranty of fitness for that purpose.

Properties	symbol	unit	KP 68	KP 77	KP 92	KP 93
Color			black	white	silver	silver
Consistency			soft/paste	soft/paste	soft/paste	soft/paste
Thermal Properties						
Thermal Resistance	R_{th}	K/W	0.01	0.009	0.007	0.006
Thermal Conductivity	λ	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		mm	0.03 – 0.06			
Viscosity		Pas	375	150	65	36
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
Total Mass Loss (TML)		Ma.-%	≤ 0.3	≤ 0.3	≤ 0.09	≤ 0.01

The silicone components do not leak out of the compound. Special storage of KP 68/77/92 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, KP 68/77/92 must be mixed thoroughly before use.

Comparison of the Thermal Resistance of Different Pastes in Dependence on the Contact Pressure

