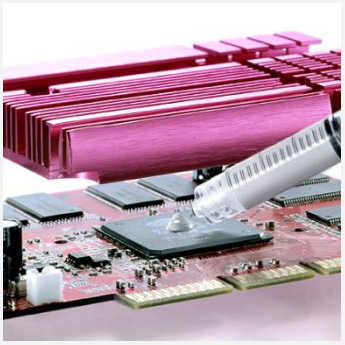
DATASHEET

KERAFOL®

Keratherm Thermal Grease: **KP 12 silicone free**



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

The non-crosslinked thermal compounds do not dry out.

APPLICATIONS

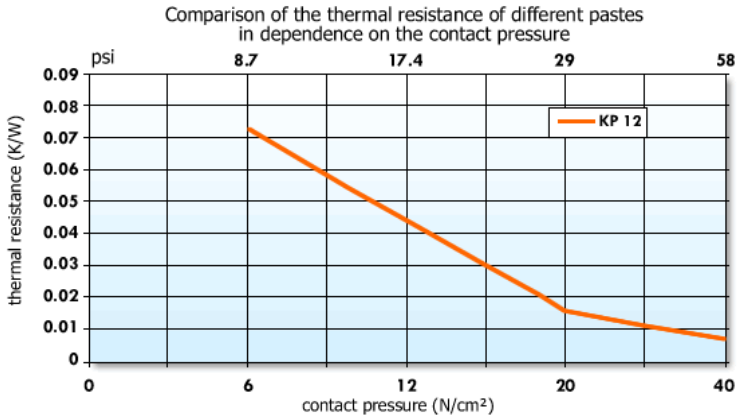
- Notebooks
- Desktop CPU's
- Heat Pipes

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 12**
Color		silver
Consistency		soft/paste
Thermal Properties		
Thermal Resistance R_{th}	K/W	0.006
Thermal Impedance R_{ti}	°Cmm²/W Kin²/W	2.2 0.0033
Thermal Conductivity λ	W/mK	10.0
Electrical Properties		
Electrical Conductivity	pS/m	53
Mechanical Properties		
Measured Thickness	mm	0.030
Viscosity	Pas	60 - 90
Density	g/cm³	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
Total Mass Loss (TML)	Ma.-%	< 0.1

The silicone-free thermal compound KP12 consists of a synthetic, thermal polymer and is suitable for 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 melt.

Silicone Free KP 12



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