Keratherm Thermal Grease: KP 98

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

### Properties

<table>
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<tr>
<th>Properties</th>
<th>Symbol</th>
<th>Unit</th>
<th>KP 98</th>
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</thead>
<tbody>
<tr>
<td>Color</td>
<td></td>
<td>gray</td>
<td></td>
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<tr>
<td>Consistency</td>
<td></td>
<td>soft/paste</td>
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</table>

### Thermal Properties

- **Thermal Resistance** ($R_{th}$) K/W: 0.01
- **Thermal Impedance** ($R_i$) $°Cmm^2/W$, $Kin^2/W$: 4.1, 0.0064
- **Thermal Conductivity** ($\lambda$) W/mK: 6.0

### Electrical Properties

- **Electrically Conductive** pS/m: 0

### Mechanical Properties

- **Coating Thickness** mm: 0.030
- **Viscosity** Pas: 90 – 130
- **Density** g/cm³: 2.2
- **Application Temperature** °C: -60 to +150

### Long Term Stability (1000h / 85°C / 85% relative humidity)

- **Thermal Resistance** ($R_{th}$) K/W: 0.008
- **Total Mass Loss (TML)** Ma.-%: ≤ 1.5

The silicone components do not leak out of the compound. Special storage of KP 96/97/98 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 96/97/98 must be mixed thoroughly before use.

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**Comparison of the thermal resistance of different pastes in dependence on the contact pressure**

**KP 96, KP 97 and KP 98**

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