

## Thermal transfer compound and thermal interface film

### Silicon thermal transfer compound

Thermal transfer compound used to reduce the thermal transmission resistance between semiconductor and heatsink.



art. no.	container	delivery quantity [g]
<b>WLP 004</b>	box	4
<b>WLP 035</b>	box	35
<b>WLP 500</b>	box	500
<b>WLP 300 S</b>	cartridge	300
<b>WLP 500 S</b>	cartridge	500

### Silicone-free thermal transfer compound

Thermal transfer compound used to reduce the thermal transmission resistance between semiconductor and heatsink.



art. no.	container	delivery quantity [ml]
<b>WLPF 05</b>	syringe	2
<b>WLPF 10</b>	syringe	5
<b>WLPF 20</b>	syringe	10
<b>WLPF 50</b>	syringe	20

#### Technical data

	<b>WLP</b>	<b>WLPF</b>
<b>composition</b>	silicone oil, inorganic filling material	Silicone free synthetic liquid. Metal oxide filling.
<b>consistence</b>	pastey	pastey
<b>colour</b>	white	white-grey
<b>tightness</b>	1.1 g/cm <sup>3</sup>	ca. 2 g/cm <sup>3</sup>
<b>thermal conductivity</b>	0.61	>0.7
<b>specific electrical resistance</b>	> 10 <sup>12</sup> Ω/cm	> 10 <sup>12</sup> Ω/cm
<b>flashpoint</b>	none (DIN 53213)	of the basic oil >280 °C (ISO 2592)
<b>drop point</b>	>260 °C	–
<b>thermal resistance</b>	no bleeding at (4 h / 200°C)	<1 % (96 h / 200 °C)
<b>temper. range</b>	-70 °C ... +250 °C	-40 °C ... +150 °C
<b>acid number</b>	< 0.01 mg KOH/g	–
<b>solubility in water</b>	insoluble	insoluble

**E 13**

Mica wafers  
Kapton insulator washers  
Mounting pads  
Mounting parts for heatsinks

→ E 11  
→ E 8  
→ E 37  
→ E 40 – 41

Silicone wafers  
Thermal conductive foil  
Thermal. conductive silicone foam foil  
Insulator caps

→ E 2 – 4  
→ E 5  
→ E 6  
→ E 41