

## High temperature resistant heat conductive silicone grease SD920

### Description:

High temperature resistant heat conductive silicone grease SD920 is single component which is made from imported silicone as the main body, filling materials, thermal conductive materials and other polymer materials. It's compound of organosiloxane and metal oxides which with good thermal conductivity and insulation. This grease has excellent thermal conductivity, no curing, no powdering, high temperature resistance, low adhesion pressure, oxidation resistance, no air drying, no hardening or melting, low thermal resistance, good electrical insulation, Wide operating temperature (-50 °C ~ 200 °C), good stability, low consistency and good operation performance. The silicone grease is non-toxic, non-corrosive, tasteless, never curing and insoluble.

### Application:

Sandao thermal conductive silicone grease is widely used to fill the gap between power heating element and radiator, especially used for high power LED heat dissipation or coating to derive the heat produced by components. Such as CPU and radiator gap filling, high-power transistor, thyristor element, diode and substrate (aluminum, copper) converter, power module, oven, induction cooker, coffee pot gap filling, TV power amplifier tube and heat sink, Semiconductor refrigeration, etc. Reduce the working temperature of the heating element.

### Technical data:

Performance	Test data
Appearance	Gray paste
Penetration degree (1/10mm, 25°C)	280~340
Specific gravity (g/cm <sup>3</sup> )	2.6-3.0
Bleed (%。150°C, 8h)	≤2.0
Fugitive constituent (%。150°C, 8h)	≤2.0
Break down strength (kv/mm)	≥2.0
Volume resistivity (Ω.cm)	4×10 <sup>14</sup>
<u>Thermal conductivity</u> (w/m·k)	≥2.0

### Usage:

Clean the surface, remove the greasy dirt, then extrude thermal conductive silicon grease directly. The uniform coating should be applied to the surface. The coating can be brushed, scraped or rolled as needed. If the user uses silicone oil to dilute, not only occur oil separation

easily, but also make the thermal conductivity smaller. Therefore, we suggest customers choose their ideal models to ensure the using quality.

**Caution:**

The coating surface should be uniform, coating more isn't mean the better, but in the premise of filling the surface gap, coating a thin layer is enough.

Packing specification: 1.0kg/ can, negotiable to according to the user's needs.

Storage: store in a cool and dry place for one year.

**Note:**

The above data are based on our extensive experiments and the results are reliable. However, due to the diversity of practical applications, the application conditions are not within our control, so users need to conduct tests before using to confirm whether this product is applicable or not. We do not warrant any problems arising from the use of our products under specified conditions and are not liable for any direct, indirect or accidental loss. If any problems in usage, you can contact our technical services department, we will do what we can to help you.