

## One Component Thermal Grease

### SI1125



#### ■ Product Description

SI1125 is thermally conductive material used in electronic equipment, with excellent thermal conductivity. With its low viscosity, can make the components surface closely contact with the radiator and reduce the thermal resistance, can quickly and efficiently lower the temperature of the electronic parts, so as to prolong the service life of electronic components and enhance its reliability. SI1125 Thermal grease would not crosslinking, so if there are any changes in the process of electronic assembly or replace the radiator happens, this product has the characteristics of easy operation. In addition to the high thermal conductivity property, also do not generate stress when using, high stability under -50 to +200 °C, and has excellent weatherability, radiation resistance and excellent dielectric properties.

#### ■ Key Features

1. Excellent thermal conductivity 2.5W/(m · K)
2. Low sedimentation, room temperature stored
3. Excellent high and low temperature resistance
4. Excellent weatherability, radiation resistance and dielectric properties.
5. Excellent chemical and mechanical stability

#### ■ Typical Applications

Widely used in LED, MPU, DIMM, Cached DRAM, DC/DC Convertors, integrated chip, semiconductor, power module, power semiconductor, solid-state relay, bridge rectifier, automotive electronics, telecom equipment, Computers and accessories, etc.

#### ■ Technical Data Table

PROPERTY	STANDARD/Units	VALUE of SI1125
Raw material	ASTM D374	Silicone Resin
Color	Visual inspection	White Liquid
Thermal Conductivity	W/m.K	2.5
Viscosity	cps	220,000
Density	g/cm <sup>3</sup>	2.76
Volatility	---	≤2.0%
Dielectric constant	MHz	4.4
Volume resistivity	Ω · cm	≥2 × 10 <sup>14</sup>
Long-term use temp rang	°C	-60~200

Note: All above data were tested under standardized condition, or tested by further experiments.

### ■ Directions for Use

1. Clean the two coating needed surfaces, extrude the grease to the component surface by needle. Then press the two surface together with proper force.
2. If there's grease spilling out, use a cloth to remove. Seal the drum after using.

### ■ Packing and Storage

100ml/Bottle, 500ml/ Bottle, 1 L/Bucket; Customized packing is accepted.

SI1125 Silicone grease is non-toxic, incombustible material. When stored at room temperature in the original unopened containers, this product has a usable life of 12 months from the date of production. Please stir well if there's precipitate happens after 12 months, then testing the performance before use.

### ■ Safety Operation Data

MSDS isn't included here. Please read TDS, MSDS and label carefully before operation. You can get MSDS from SEPNA or other distributors, or mail to service center [sepna@sepna.cc](mailto:sepna@sepna.cc), or call +86-400-882-1323.

### ■ Warranty and Liability

All product properties and application details based on information believe to be reliable and accurate. But you still need to test its property and safety before application. The advices we supply don't apply in any circumstances. SEPNA don't make assurance of any other applications outside the specification until SEPNA supply a special written guarantee. SEPNA is only responsible to replace or refund if this product is defective within the warranty period stated above. SEPNA makes it clear that will not be liable of any accidents.