

One Component Thermal Grease

SI1101



■ Product Description

SI1101 is produced by imported raw material and formula, composed by organo-siloxane and metallic oxide which with good thermal conductivity and insulativity.

■ Key Features

1. Excellent thermal conductivity 1.5W/(m • K)
2. Excellent electrical insulating property
3. Operating temperature range (-50 °C to 200 °C)
4. Good stability and easily application property
5. Non-poisonous, no corrosion, no smell, won't dry and solute
6. Low oil bleed, $\leq 3.0\%$ (200 °C/8h)
7. Good temperature resistance, no harden and flowing in 200 °C

■ Typical Applications

Widely used as thermal transmission medium among electronic components, such as the shimming of CPU and radiator, gap filling of triac semiconductor diode and basic material (aluminum or copper etc.) for reducing the work temperature of heater element.

■ Technical Data Table

PROPERTY	STANDARD/Units	VALUE
Color	Visual inspection	White paste
Density	g/cm ³	2.2
Penetration	1/100mm	300
Oil Bleed	8hours, 200 °C	$\leq 3.0\%$
Volatility	8hours, 200 °C	$\leq 2.2\%$
Thermal Conductivity	W/m.K	1.5

Note: All above data were tested after curing for 7 days, or tested by further experiments.

■ Directions for Use

Clean the coated surface, remove the oil and dust. Then extrude directly the silicone grease evenly to the coated surface. Please make sure the even of the coated surface, only need to coat a thin layer, under the premise to fill the gap.

■ Package and Storage

2 KG/Bucket

SI1101

Technical Data Sheet



When stored at 1~30 °C in the original unopened containers, this product has a usable life of 12 months from the date of production. Once opened a container, should use out as soon as possible, do not put used material back to the container, in case of cross- contamination.

■ 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, 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.