



### Product features

Excellent thermal conductivity and low thermal resistance

- Good electrical insulation performance.
- Strong weather resistance, high stability and low oil separation.

Low aging resistance, high and low temperature resistance, non-drying, low consistency

- Moisture-proof, corrosion-proof and reliable.
- Meet the requirements of UL, ROHS, REACH and other instructions.

### Typical application

- Where the power tube, transistor and diode contact with the base material (aluminum and copper).

Low ●CPU, radiator, household appliances, automotive electronic heat dissipation module.

- Power module, regulated power supply and communication power supply
- LED lamps and LED display screen
- Heat dissipation between the power amplifier tube and heat sink, relay, transformer, ballast, etc.

### instructions

1. Clean the surface of the adhered or coated object to remove rust, dust and oil stains.
2. Use professional tools to evenly smear or screen print the surface of the corresponding heat dissipation device, and ensure that the thermal conductive silicone grease is completely attached to the surface of the heat dissipation device, so as to give full play to the heat dissipation effect.
3. After the operation is completed, the unused products shall be sealed and preserved.

### technical parameter

project	unit	Standard value	testing nominative
exterior	/	White/gray paste	estimate range by eye
texture of wood	/	Silicone modified polymer materials and Heat conductive filler mixture	/
Cone penetration (25℃)	1/10mm	220-260	GB/T269
proportion	g/cm <sup>3</sup>	3.0±0.2	ASTM D792
Oil separation degree (200℃ ,24H)	%	≤1	HG/T 2502
fugitive constituent (150℃ ,24H)	%	≤0.5	HG/T 2502
Long-term service temperature range	℃	-40~150	EN344
Breakdown voltage intensity	kv/mm	≥4	ASTM D149
volume resistivity	Ω .cm	≥4.0×10 <sup>13</sup>	ASTM D257
Thermal conductivity	w/m · k	3.0±0.2	ASTM D5470

Note: The above performance data were all measured at 25℃ and 55% relative humidity after molding for one day. Our company is not responsible for the data difference caused by different test conditions or product improvement, and the image may be different from the original product.

### matters need attention

1. The construction surface should be uniform. When coating, it is not as much as possible, but to ensure filling.

Under the premise of full face clearance, a thin layer can be coated. After the operation is completed, the unused products should be sealed immediately.

2. If you contact the skin carelessly, wipe it clean and then rinse it with water; In case of accidental contact with eyes, immediately rinse with clear water and go to the hospital for examination.

3. Please refer to the MSDS of the product for safety information.

### Storage requirements

- 1.This product is non-toxic and non-dangerous, so it can be handled and transported according to general chemicals.
- 2.Pay attention to seal tightly after use and store in a cool, dry and ventilated place.
- 3.This product is stored in a sealed way at a temperature of 5℃-38℃ and a humidity of 35% -75%RH for 12 months.

### packing specifications

500g/ piece, 1.0kg/ can,

2.6L/ can,

5.0kg/ barrel,

Can also be customized according to users' needs.

#### special explanation

The data in this manual are obtained under laboratory conditions. Due to the differences in the use environment, users should refer to these data and use conditions for analysis and test. Kuayue Electronics does not guarantee the sale of products and the use of Kuayue Electronics products under specific working conditions, and does not assume any direct, indirect or accidental losses. If users encounter any problems in the use process, they can contact the service department of Leapfrog Electronic Technology, and we will provide you with all the help.