



product feature

- High thermal conductivity, low interfacial thermal resistance and good thixotropy
- Stress-free and infinitely compressible up to 0.1mm thin
- No settlement, no flow, can fill any uneven gap
- Convenient design and application, with automatic dispensing machine can adjust any thickness size
- satisfy ROHS、REACH、UL

typical application

- Heat dissipation between CPU\GPU, thyristor, chip and heat sink
- Heat transfer between automotive electronic control, drive module components and housing
- Network equipment, portable electronic devices, high-end medical equipment, etc
- New energy vehicle batteries, energy storage equipment, heat pipe cooling modules and other heat transfer areas

Instructions

1. Clean the surface, clean the surface that needs to be coated, remove rust, dust and oil.
2. The thermal gel is coated on the treated solid contact surface by means of automatic dispensing machine or manual extrusion (dispenser recommended).
3. After coating is completed, the second surface (such as heat sink or casing) and the surface coated with thermal gel can be slightly pressed tight. (Note: Thermal gel is not applied as much as possible, but as thin as possible to ensure that the gap is filled.)
4. After the operation is complete, tighten the cap immediately to seal and keep the unused glue.

technical specification

test item	Units	Number value	testing standard
colour	-----	dark grey (GY)	Visual
extruded velocity(70psi 60S)	g/min	8±3	-----
proportion	g/cc	3.5±0.15	ASTM D792
heat conductivity coefficient	w/m.k	8.0±0.2	ASTM D5470
Minimum bonding thickness	mm	0.1	-----
dielectric constant	1MHz	2.5~3.0	ASTM D150
breakdown voltage	AC/0.1mm	>150V	GB/T1408.1-2006
mass resistivity	Ω.cm	>10 ¹³	GB/T1410-2006
Temperature range	°C	-50~150°C	EN344
fireproof performance	-----	V0	UL 94
resting period	month	6	-----

Note 1: No date has been given for the reference standard, the latest version of which applies to this document

matters need attention

1. In case of contact with skin, wipe clean, and then rinse with water; In case of contact with eyes, rinse immediately with water and go to the hospital for examination.
2. Please refer to the MSDS of the product for safety information

Storage requirement

1. This product is non-toxic and non-dangerous goods. It can be handled and transported according to general chemicals.
2. After use, pay attention to sealing and store in a cool, dry and ventilated place.
3. The shelf life of this product in sealed storage is 6 months

packing specification

Syringe packing: 30CC/ PCS, 50CC/ PCS, 300CC/ PCS
Barrel packing: 1KG/ barrel, 5KG/ barrel, 10KG/ barrel, 20KG/ barrel

special version

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. Cross Electronics does not guarantee the sale of products and use of Cross electronics products under specific conditions, and does not assume any direct, indirect or accidental liability for losses. Users in the use of the process to encounter any problems, you can contact across the electronic technical service department, we will provide you with all help.