

Thermal silicone gel

Description

3K series thermal silicone gel is one kind of thermal interface Materials which has very low force deformation.

It has good plasticity comparable with plasticine ,no flowing, high conductivity ,low thermal resistance ,good adhesion to heat Dissipation components,insulation ,automatic filling of gaps, Max to increase the contact area and infinite compression to Suit for heat dissipation module or electronic components with Large thickness variation .Different from thermal grease,thermal Silicone gel has no sedimentation and no flowing phenomenon, It is suitable for screen printing or scraping coating,and syringe package can carry out dispensing operation on standard Dispensing machine,thus having extremely operation convenience and efficiency.

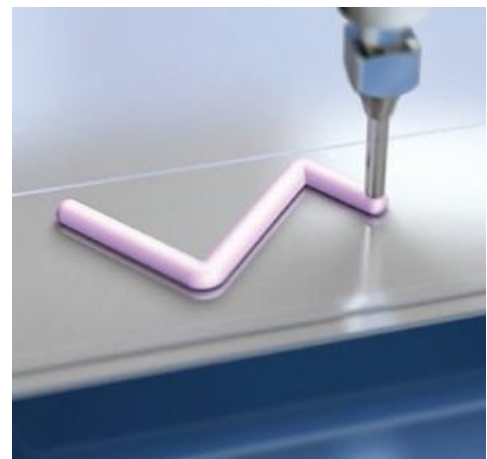


Feature

- High thermal conductivity ,low thermal resistance,excellent wettability
- Soft, stress-free ,infinitely compressible to min 0.1mm
- No settlement ,no flow can fill any uneven gap
- Design and application are convenient,automatic dispensing can be used to adjust any thickness and size

Application

- *Communication equipment
- *Radio equipment
- *Automotive electronics
- *Chassis or related heat dissipation module
- *Network equipment
- *Memory module
- *LED Lighting
- *Power supply



Physical properties

Item	Test methods	3K-NJ120	3K-NJ200	3K-NJ300	3K-NJ400	3K-NJ500	3K-NJ600	3K-NJ800
Color	Visual	White	White	Pink	Blue	Blue	Blue	Grey
Density, g/cc, ±0.2	ASTM D792	2.0	2.7	3.3	3.8	4.2	4.2	4.5
Extrusion rate, g/min, 2.0 pinhead	/	60	50	45	40	40	40	40
Shore OO Hardness	ASTMD2240	<10	<10	<10	<10	<10	<10	<10
Thickness after compression, mm	/	0.1	0.1	0.1	0.1	0.1	0.15	0.18
Conductivity: W/(m·k)	ASTM D 547	1.2	2.0	3.2	4.1	5.0	6.0	8.0
Working temperature: °C	/	-50~200 °C						
Breakdown voltage, KV/mm	ASTM D149	>5						
Volume resistance, Ω·cm	ASTM D257	>10 ⁸	>10 ¹¹	>10 ¹¹	>10 ¹³	>10 ¹³	>10 ¹²	>10 ¹⁰
Flame retardant	UL94	VO						
RoHS	/	Yes						
Warranty time, Months	/	12						

Packing: cartridge: 30cc, 55cc, 300cc ,2600cc or custom