

Technical datasheet

Non-silicone grease NGZ15NF

Product Description:

NGZ15NF is a non-silicon thermal grease, Zinc oxide free with thermal conductivity of 1.5W/m-K. Its excellent wettability and low thermal resistance can meet the needs of different customers for thermal interface materials with medium thermal conductivity. The product has good technology and can be applied to screen printing and template printing. Special formulations are designed to achieve long-term storage stability.

Features:

- Moderate TC, low thermal impedance
- Low viscosity, dispensing, metal stencil printing
- Zinc oxide free, long term storage stability

Application:

- CPU
- GPU
- IGBT
- LED

Typical Properties:




Physical properties	Unit	Typical data	Test method
Color	/	offwhite	Visual
Density	g/cm ³ @20°C	2.3	ASTM D792
Viscosity	Pa·s	~100	ASTM D2196
BLT@50psi	um	50	In-house
Weight loss@125°C, 24hrs	%	< 0.2	/
Temperature range	°C	-50~180	/
Thermal properties			
TC	W/m·K	1.5	ASTM D5470
Thermal impedance@50psi	°C-in ² /W	0.01	ASTM D5470

Thermal resistance after aging (Sample preparation of AlN Substrate)		0hrs	504hrs	1008hrs	Testing method
Thermal impedance @50°C, 50psi	°C-in ² /W	0.124	0.120	0.121	+125°C
Thermal impedance @50°C, 50psi	°C-in ² /W	0.124	0.123	0.122	85°C 85%RH
Dielectric strength	KV/mm	40		ASTM D149	

Package:

Package size	Order code
1Kg/kit	NGZ15NF_01K
700g/310ml syringe	NGZ15NF_700G

Storage conditions:

-  Temperature control: Storage temperature between 5 ° C and 30 ° C is recommended ;
-  Moisture proof: It is recommended that the humidity in the storage environment is not higher than 60%;
-  Sun protection: it is recommended to store away from light.

Health & Safety:

When using materials, certain protective measures should be taken.

Ensure that the equipment used meets the requirements specified in the material safety data sheet.



Wear protective gloves and goggles!!

Avoid skin contact!

Ensure adequate ventilation in the workplace!

Follow standard workplace hygiene practices (hand washing, etc.)