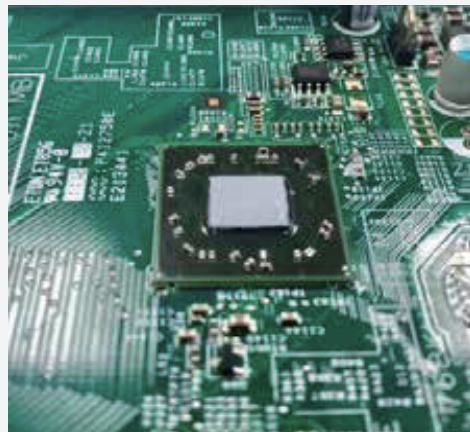


Thermal Grease

LYT-Grease300

LYT-Grease 300 is a silicone thermal grease with medium thermal conductivity, and its excellent thixotropy ensures that it will not self-flow or increase the difficulty of application during dispensing or screen printing. Excellent wettability can make it fully fill the contact interface, minimize the interface thermal resistance, and form good wetting with the two interfaces after device assembly, reduce the contact thermal resistance of the system. The lower viscosity is suitable for fast large-area screen printing or stencil printing.

LYT-Grease300 thermal grease has good reliability and performance stability, and is not easy to separate oil, dry rubber and hardening, making it widely used in high-power devices such as CPUs, GPUs, ASICs, Northbridge, IGBT and other heating devices.



FEATURES AND ADVANTAGES

- Ultra-low thermal resistance and thermal conductivity of 3.0W/m-K
- Low viscosity, easy to carry out rapid large-area screen printing
- Ultra-low interface thickness, minimum 25μm
- Suitable for heat conduction of sensitive electronic components
- Solvent-free, room temperature storage

TYPICAL APPLICATIONS

- Chassis or associated thermal module
- CPU, GPU, image processor and other chipsets
- LED lighting
- Northbridge chipset
- Custom ASICs chips
- IGBT devices dissipate heat

Long Young Electronic Co.

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Thermal Grease

TECHNICAL DATA

PROPERTIES	DATA	UNIT	TEST METHOD
Color	Grey	/	Visual
Density	2.7	g/cc	ASTM D792
Minimum thickness	25	μm	Internal Lab
Viscosity	140,000	mPa · s	ASTM D2196
Operating Temperature	-40 to 150	°C	Internal Lab
THERMAL PROPERTIES			
Thermal conductivity	3.0	W/m · K	ASTM D5470
Thermal resistance	0.014	°C·in ² /W	ASTM D5470
ELECTRICAL PROPERTIES			
Dielectric constant	> 10@1MHz		ASTM D150
Volume resistivity	≥1.0 X10 ¹²	Ohm-cm	ASTM D257
FLAME RETARDANT RATING			
Flame retardant rating	UL94 V-0 Equivalent		UL94

The data in this material are typical test values, the results are for reference only, and cannot be used as product performance indicators

ATTENTION

- Do not eat
- Keep out of the reach of children
- Keep the product away from fire
- Please confirm the correctness before using

STORAGE AND SHELF LIFE

- Products should be keep sealed and stored at 20~35°C and no higher than 65% relative humidity
- Storage Validity: 12 Months from packing date.

HOW TO ORDER

- Standard size 30cc syringe, 300cc aluminum tubes, 1kg cans or 5 gallon buckets

Initial Issue date:2023-03-23

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