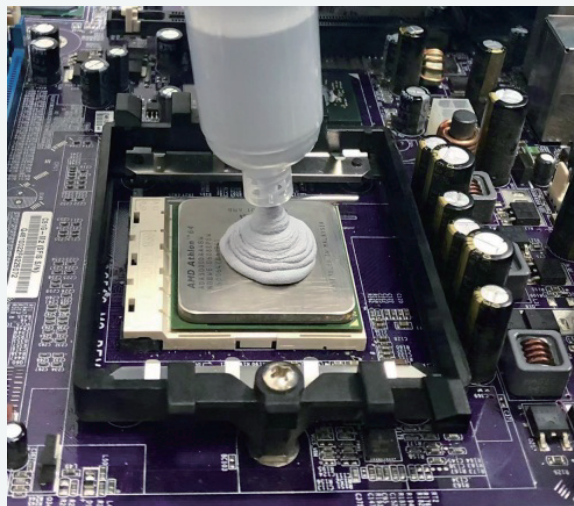


Thermal Gel

LYT-GEL1000

Thermally conductive gel is a one-part, no post-curing silicone-based thermally conductive gel ideal for filling large gap tolerances. This thermally conductive gel has high thixotropy and plasticity, and can be uniformly filled into voids of different thicknesses under low pressure. It is suitable for scenarios where multiple heating devices share the same heat sink, or applications that require low mechanical stress. Protect sensitive electronic components from damage in electronic components.

LYT-GEL1000 thermally conductive gel has extremely high thermal conductivity, and the thermal conductivity is 10 W/m-K. The special formula design makes it have the characteristics of low volatility, anti-cracking and anti-sag flow, especially suitable for applications in the communication industry.



FEATURES AND BENEFITS

- Thermal conductivity: 10,0 W/M-k
- One-component material, no post-reaction, and suitable for automatic operation
- High reliability and thermal stability
- Low small molecule volatiles and siloxane content
- Soft, low stress and low
- Anti-cracking and anti-sag flow

APPLICATION

- Computer case or related cooling module
- Heat generators requiring low assembly pressure
- Smart terminal, mobile phone, tablet
- Heat dissipation in communication base station hardware
- Large Storage Data Centres
- Memory module

Long Young Electronic, Co.

Tel: 86.512.57668990

Fax: 86.512.57669500



Thermal Gel

LYT-GEL1000

TECHNICAL DATA

PROPERTIES	LYT-GEL1000	REFERENCE
Structure	Thermally conductive ceramic filled silicone gel	/
Post curing reaction	none	/
Color	Light Grey	Visual
Density[g/cc]	3.20	ASTM D792
Extrusion speed[g/min]	16	30cc EFD, 2.5mm needle, 90psi & 60s
ΣD3-D10[Siloxane content,ppm]	Max. 200	GC-MS
Operating temperature[°C]	-40~125	Reliability test
Minimum interface thickness[mm]	0.2	Reliability test
Thermal conductivity[W/M·k]	10	ASTM D 5470
Volume resistivity[Ohm-cm]	Min. 1.0×10^{13}	ASTM D257
Dielectric strength [KV/mm]	≥ 5	ASTM D149
Flame retardant rating	V-0	UL94

Note: The data indicated above are all typical test values, the results are for reference only, and can not be used as the product performance

ATTENTION

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

STORAGE AND SHELF LIFE

- The product needs to be sealed and stored in Temperature range: 0~35 and Relative humidity does not exceed 65%
- Storage Validity: 12 Months from shipping date.

HOW TO ORDER

- 30CC, ,300CC or 600 cc Needle tube packaging;
- 5 gallon tank pack;

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