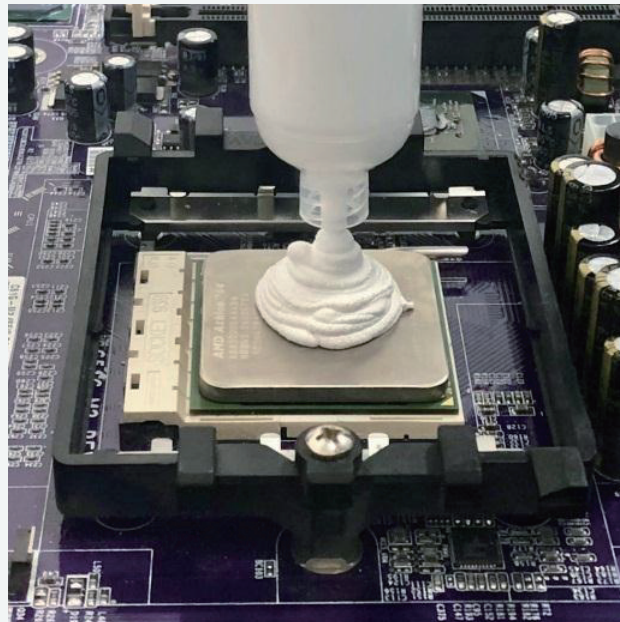


# Thermal Gel

## LYT-GEL800

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-GEL800 thermally conductive gel has extremely high thermal conductivity, and the thermal conductivity is 8.0W/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. Super soft and self-adhesive, easy to rework during assembly, reducing construction difficulty.



### FEATURES AND BENEFITS

- thermal conductivity: 8.0 w/m-k
- one-component material, no post-reaction
- high reliability and thermal stability
- suitable for automatic operation or stencil printing
- low small molecule volatiles and silicone content
- soft, low assembly stress and low residual stress
- anti-cracking, anti-sag properties

### APPLICATION

- computer case or related cooling module
- heat-generating units requiring low assembly pressure
- smart terminal, mobile phone, tablet
- hardware cooling of communication base stations
- large storage data center
- memory module

Long Young Electronic, Co.

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# Thermal Gel

## LYT-GEL800

### TECHNICAL DATA

PROPERTIES	LYT-GEL800	REFERENCE
Structure	Thermally conductive ceramic filled silicone gel	/
Post curing reaction	none	/
Color	Grey	Visual
Density[g/cc]	3.25	ASTM D792
Output[g/min]	50	30cc EFD, 2.5mm needle, 90psi & 60s
ΣD3-D10[Siloxane content,ppm]	Max. 200	
Operating temperature[°C]	-40~125	Reliability test
Minimum interface thickness[mm]	0.2	Reliability test
Thermal conductivity[ W/M·k ]	8.0	ASTM D 5470
Volume resistivity[Ohm-cm]	Min. $1.0 \times 10^{13}$	ASTM D257
Dielectric strength [KV/mm]	$\geq 6$	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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