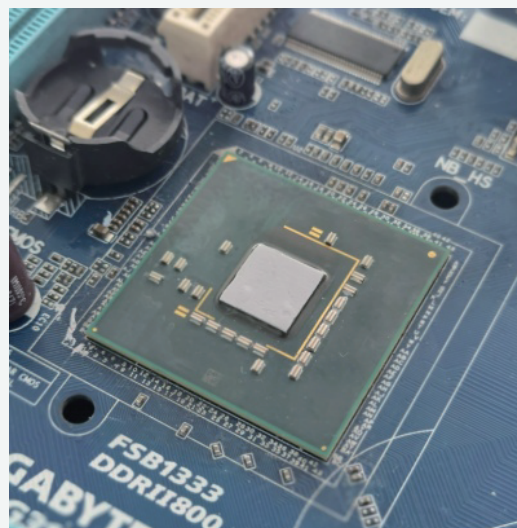


Phase Change Material

LYT-PCM850

Phase change materials are used between high power devices and heat sinks to provide extremely low thermal resistance to improve device reliability. The phase change material can well fill the gap between the interfaces, form better contact between the two interfaces, and improve the overall heat dissipation efficiency.

Phase change material LYT-PCM 850 is a high performance thermally conductive phase change material. Soft properties at room temperature make Fill-PCM 850 very good workability. LYT-PCM 850 is a product specially developed for today's high-performance electronic products with stringent requirements for heat dissipation, with excellent thermal conductivity and thermal resistance performance. The material can be in rolls, sheets or die-cut shapes.



FEATURES AND BENEFITS

- very low thermal resistance
- Non-silicon base material, no silicon pollution
- Naturally sticky, can be directly pasted on the surface of the radiator
- High reliability, long-term use without extrusion, cracking and sagging
- Soft at room temperature for easy handling and rework

APPLICATION

- Chipsets such as CPU, GPU processor
- IGBT module
- memory device
- Consumer Electronics
- TVs, game consoles, etc.
- vehicle electronics

Long Young Electronic, Co.

Tel: 86.512.57668990

Fax: 86.512.57669500



Phase Change Material

LYT-PCM850

TECHNICAL DATA

PROPERTIES	LYT-PCM850	REFERENCE
Structure	non-silicon	/
Color	Gray	Visual
Phase change temperature[°C]	45	ASTM D3418
Density[g/cc]	2.8	ASTM D792
Operating temperature[°C]	-40~125	Reliability test
Thermal conductivity[W/M·k]	8.5	ASTM D 5470
Thermal resistance [°C - in ² /W] @10psi	0.008	ASTM D 5470
Thermal resistance [°C - in ² /W] @50psi	0.005	ASTM D 5470
Volume resistivity[Ohm-cm]	$> 4 \times 10^{13}$	ASTM D257
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
- Please make sure the product surface is clean

STORAGE AND SHELF LIFE

- The product needs to be sealed and stored in Temperature range: 15~35 and Relative humidity does not exceed 65%
- Storage Validity: 12 Months from shipping date.

HOW TO ORDER

Products are shipped in sheet or coil form, and can also be die-cut in special shapes according to customer needs.

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