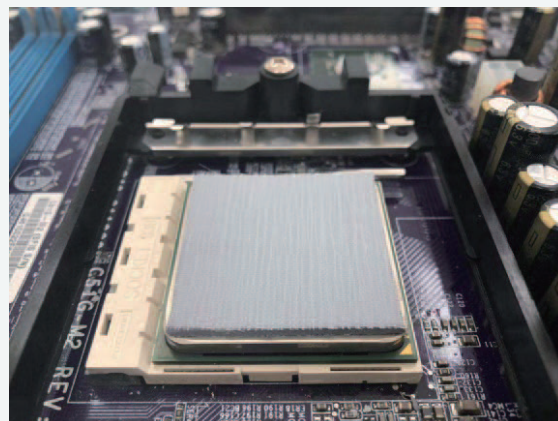


Thermal Gel Pad

LYT40800

The thermally conductive gel pad LYT40800 has a thermal conductivity of 8.0 W/m-K and is made of thermally conductive gel pressed. The special structural design of the sheet ensures a very high compressive deformation at very low. The special structural design ensures that the product produces very high compressive deformation at very low compressive stresses, filling gap filling of different sizes while generating very weak.

The special structural design ensures very high compressive for applications requiring multiple applications where multiple deformation tolerances are required. The product has a glass fibre surface protection of the surface, maintaining good interfacial wetting characteristics and maximising thermal resistance at the interface, while providing good handling. The surface is protected by glass fibres to maintain good interfacial wetting properties and minimise interfacial thermal resistance, while providing good handling properties and ease of application.

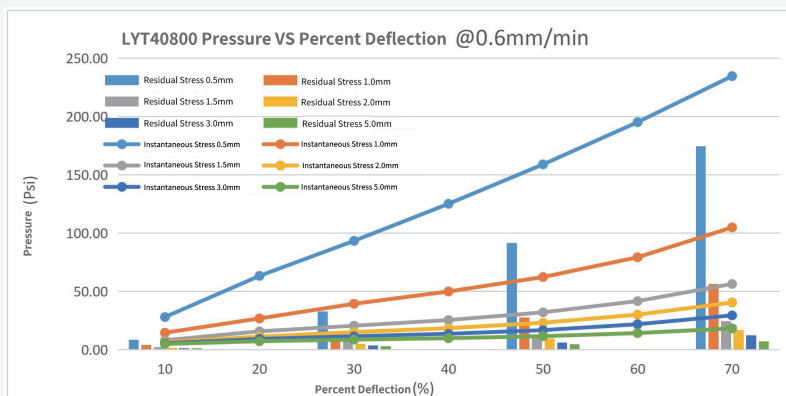


FEATURES AND BENEFITS

- Thermal conductivity: 8.0 W/m-k
- Ultra-soft, low compressive stress produces high compression set
- Weak residual stress effectively protects sensitive devices
- Surface self-adhesive
- Excellent wetting and fitting
- Single glass fiber protection for improved operability

APPLICATION

- 5G communication base station, wireless communication equipment
- Big data storage, web server
- High-power power module and IGBT
- Automotive electronics OBC, inverter
- LCD, PDP and Laser TV Displays
- Hard Disk Drives and Solid State Drive Storage



Long Young Electronic, Co.

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Thermal Gel Pad

LYT40800

TECHNICAL DATA

PROPERTIES	LYT40800	REFERENCE
Structure	Single glass fiber reinforced	/
Color	Light Gray	Visual
Available thickness [mm]	1.00 ~ 5.00	/
Operating temperature [°C]	-40 ~ 150	Reliability test
Density [g/cc]	3.5	ASTM D792
Hardness [Shore oo]	10	ASTM D2240
Volatile TML[%]	0.22	ASTM D595
Volatile CVCN[%]	0.05	ASTM D595
Siloxane content, Σ D3-D10, ppm	< 100	GC-MS
Thermal conductivity[W/M·k]	8.0	ASTM D 5470
Thermal resistance[°C - in ² /W] (1mm@10psi)	0.17	ASTM D 5470
Dielectric constant [@1MHz]	8.3	ASTM D150
Volume resistivity[Ohm-cm]	3.0×10^{15}	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 using
- Take care not to expose the surface of the product to foreign objects and dust

STORAGE AND SHELF LIFE

- Products should be stored at 0~35°C and no higher than 65% relative humidity
- Storage Validity: 12 Months from shipping date.

HOW TO ORDER

- Thickness tolerance, nominal $\pm 10\%$ (>1mm);
nominal $\pm 0.1\text{mm}$ (<1mm) thickness according to customer needs

Initial Issue date:2023-08-28

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