Thermal Gel Pad

LYT40350

Thermal Gel Pad is a made of thermally conductive gel, The special structural design ensures that the product generates extremely high compression deformation under extremely low compressive stress, and generates very weak or even negligible residual stress while filling gaps of different sizes, which minimizes shock to precision electronics, and is suitable for applications requiring multiple deformation tolerances. The product has glass fiber to protect the surface. It maintains good interfacial wetting characteristics, maximally eliminates interfacial thermal resistance, and at the same time has good operating performance, which is convenient for installation.



FEATURES AND BENEFITS

- thermal conductivity: 3.5 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 fit
- · Double 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

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www.longyoung.com

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TECHNICAL DATA

PROPERTIES	LYT40350	REFERENCE
Structure	Double glass fiber reinforced	/
Color	white	Visual
Available thickness [mm]	0.50 ~ 5.00	/
Operating temperature [°C]	-40 ~ 125	Reliability test
Density [g/cc]	3.1	ASTM D792
Hardness [Shore oo]	10	ASTM D2240
Volatile TML[%]	0.35	ASTM D595
Volatile CVCM[%]	0.07	ASTM D595
Thermal conductivity[W/M·k]	3.5	ASTM D 5470
Thermal resistance[°C - in²/W] (1mm@10psi)	0.46	ASTM D 5470
Dielectric constant [@1MHz]	6.2	ASTM D150
Volume resistivity[Ohm-cm]	Min. 1.0*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
- Do not let foreign objects and dust get on the surface of the product.

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

Thickness nominal value ±10%(>1mm); Thickness nominal value ±0.1mm(<1mm); Thickness can be customized according to customer requirements, please consult available thickness before ordering

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Deflection VS Pressure VS Thermal Resistance

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