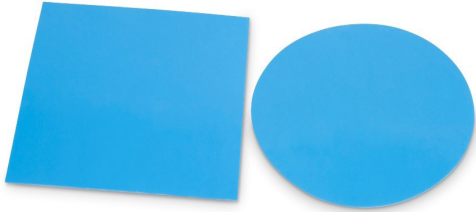




Liv2 Thermal Tape

Version 1.280318



Thermal Tape

Liv2 thermal tapes are double-sided thermal interface tapes provide exceptional bonding properties between electronic components and heat sinks, eliminating the need for mechanical fasteners. Liv2 can be offered in various formats such as sheets, rolls and die cut parts depending on the applications and are proven reliability under various mechanical, thermal, and environmental stresses.

Features

- Good adhesion (Acrylic PSA)
- UL compliant
- Cost effective with great performance
- Easy to assemble

Applications

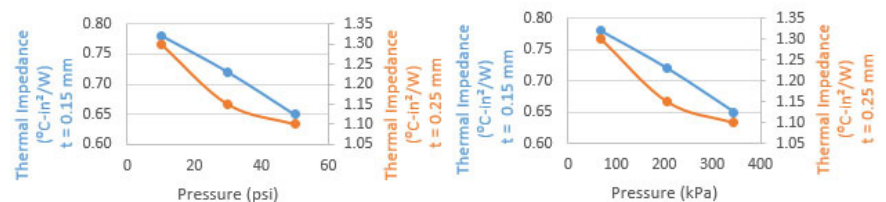
Electronic components: IC, CPU, MOS
 LED, M/B, P/S, Heat Sink
 LCD, TV, Notebook PC, PC Telecom Device, Wireless Hub, etc.
 DDR II Module, DVD Applications, Hand-set applications, etc.

Properties

- ✓ REACH Compliant
- ✓ ROHS Compliant

Property	Liv2		Unit	Tolerance	Test Method
Thermal Conductivity	1.00	1.00	W/mK	± 0.10	ASTM D5470
Thickness	0.15	0.25	mm	-	ASTM D374
Colour	White		-	-	Visual
Reinforcement Carrier	Fibreglass Mesh		-	-	-
Continuous working temperature	-30 to 120		°C	-	-
Short time using temperature	180		°C	-	-
Density	1.85		g/cm ³	-	ASTM D792
Tensile Strength	200	400	psi	-	ASTM D412
Glass Transition Temp.	-30	-30	°C	-	-
Initial tack	11	10	cm	-	PSTC-6
Lap Shear Strength	60		N/cm ²	-	ASTM D1002
Die Shear Strength 25°C	120		N/cm ²	-	-
Die Shear Strength 80°C	69		N/cm ²	-	-
Holding Power 1000g 25°C	>10000		min	-	PSTC-7
Holding Power 1000g 80°C	>10000		min	-	PSTC-7
Flame Rating	V-0		-	-	UL 94
Dielectric Breakdown Voltage (AC)	2	3	kV/mm	± 10%	ASTM D149
Dielectric Breakdown Voltage (DC)	3	4	kV/mm	± 10%	ASTM D149

Thermal Impedance vs Pressure vs Deflection



T-Global Technology Limited
 1 & 2 Cosford Business Park, Central Park,
 Lutterworth, Leicestershire LE17 4QU U.K.

Tel: +44 (0)1455 553 510
 Email: sales@tglobaltechnology.com
 Web: www.tglobaltechnology.com
 Skype: tglobal.technology
 VAT #: GB 116 662 714



Liv2 Thermal Tape

Standard Weights & Dimensional Tolerance

Size	Thickness (mm)	0.23	0.35
	100x100	2.78	8.33
150x150	6.24	18.73	
300x300	24.98	74.93	
320x320	28.42	85.25	

Die-Cut Thickness Tolerances	Thickness (mm)	Tolerance (mm)
	0.3	±0.03
	0.5	±0.05
	0.8	±0.08
	1.0	±0.1
	1.2	±0.12
	1.5	±0.15
	2.0	±0.2
	2.5 - 3.5	±0.25
	4.0 - 4.5	±0.3
	5.0	±0.35
	6.0 - 8.0	±0.4
	9.0	±0.45
	10.0	±0.5
>10.0	±0.5	

* Data for design engineer guidance only. Observed performance varies in application. Engineers are reminded to test the material in application.

NOTICE: The information contained herein is to the best of our knowledge true and accurate. However, since the varied conditions of potential use are beyond our control, all recommendations or suggestions are presented without guarantee or responsibility on our part and users should make their own test to determine the suitability of our products in any specific situation. This product is sold without warranty either expressed or implied, of fitness for a particular purpose or otherwise, except that this product shall be of standard quality, and except to the extent otherwise stated in T-Global Technology Europe and North America's invoice, quotation, or order acknowledgment. We disclaim any and all liabilities incurred in connection with the use of information contained herein, or otherwise. All risks of such are assumed by the user. Furthermore, nothing contained herein shall be construed as a recommendation to use any process or to manufacture or to use any product in conflict with existing or future patents covering any product or material or its use.