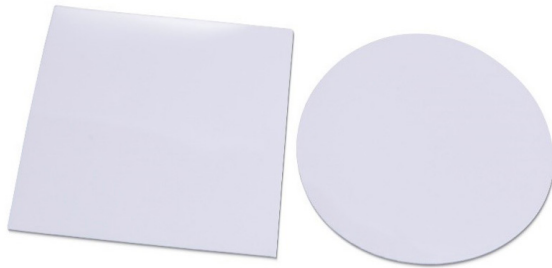




Li2000A Thermal Tape

Version 3.05122019



Thermal Tape

Li2000A thermal tapes are double-sided thermal interface tapes which provide exceptional bonding properties between electronic components and heat sinks, eliminating the need for mechanical fasteners. Li2000A 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 (Silicone PSA)
- Short time use temperature of 170°C
- UL compliant
- Cost effective with great performance
- Easy to assemble
- High thermal conductivity due to no base material

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

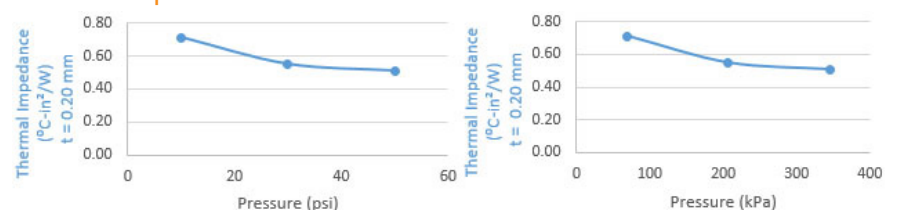
- ✓ REACH Compliant
- ✓ ROHS Compliant

Property	Li2000A	Unit	Tolerance	Test Method
Thermal Conductivity	2.00	W/mK	± 0.20	ASTM D5470
Thickness	0.20	mm	-	ASTM D374
Color	White	-	-	Visual
Reinforcement Carrier	-	-	-	-
Continuous working temperature	-45 to 170	°C	-	-
Short time using temperature	260	°C	-	-
Density	2.30	g/cm ³	-	ASTM D792
Initial tack	> 30	cm	-	PSTC-6
Lap Shear Strength	35	N/cm ²	-	ASTM D1002
Die Shear Strength 25°C	60	N/cm ²	-	-
Die Shear Strength 80°C	50	N/cm ²	-	-
Die Shear Strength 150°C	40	N/cm ²	-	-
Holding Power 1000g 25°C	>40000	min	-	PSTC-7
Holding Power 1000g 80°C	>40000	min	-	PSTC-7
Holding Power 1000g 150°C	>10000	min	-	PSTC-7
Flame Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage (AC)	3.5	kV	± 0.35	ASTM D149
Dielectric Breakdown Voltage (DC)	4.5	kV	± 0.45	ASTM D149
Shelf Life (can be requalified for further 12)	12	months	-	-

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
 VAT #: GB 116 662 714

Thermal Impedance vs Pressure





Li2000A Thermal Tape

Standard Weights & Dimensional Tolerance

Size	Weights (g)	
	Thickness (mm)	0.30
	100x100	4.60
	150x150	10.35
	300x300	41.40
	320x320	47.10

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.