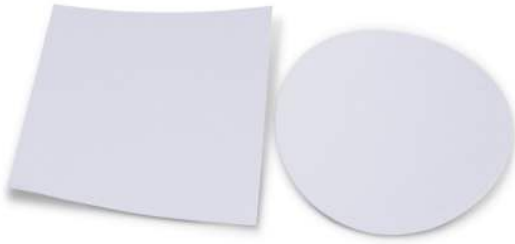




Li98C Thermal Tape

Version 4.120320



Thermal Tape

Li98C 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. Li98C 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)
- Great reliability
- 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

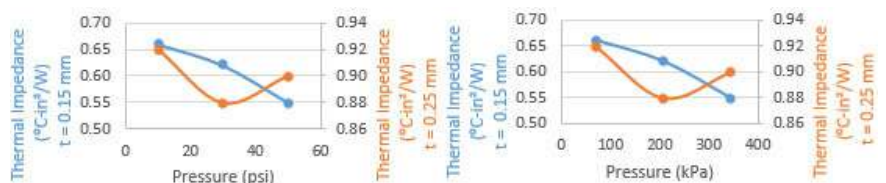
- ✓ REACH Compliant
- ✓ ROHS Compliant

Property	Li98		Li98C		Li98CN	Unit	Tolerance	Test Method
Colour	White					-	-	Visual
Liner Colour	Blue		White					
Thickness	0.15	0.25	0.15	0.25	0.18	mm	-	ASTM D374
	0.0059	0.00984	0.0059	0.00984	0.00709	inch	-	ASTM D374
Thermal Conductivity	0.95	0.95	1.8	1.8	2	W/mK	±0.10%	ASTM D5470
Continuous Working Temperature	-30 to 120					°C	-	-
Short Time Using Temperature	200					°C	-	-
Density	1.85		1.8			g/cm ³	±1.3	ASTM D792
Tensile Strength	200	400	200	400	-	psi	-	ASTM D412
Glass Transition Temperature	-30		-27		-30	°C	-	-
Initial Tack	10	8	14	12	15	cm	-	PSTC-6
Lap Shear Strength	61	55	55	50	55	N/cm ²	-	ASTM D1002
Die Shear Strength 25 °C	120	109	109	100	100	N/cm ²	±0.2	-
Die Shear Strength 80 °C	69	68	68		55	N/cm ²	-	-
Holding Power 1000g 25 °C	>10000					min	-	PSTC-7
Holding Power 1000g 80 °C						min	-	PSTC-7
90° Peeling Strength	>10	>12	> 6	> 8	> 8	N/in	-	ASTM D3330
Dielectric Breakdown Voltage (AC)	2	3	2	3	5	kV	±0.10%	ASTM D149
Dielectric Breakdown Voltage (DC)	3	4	3	4	6	kV	±0.10%	ASTM D149
Reinforcement Carrier	Fiberglass Mesh					-	-	-
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 vs Deflection





Li98C Thermal Tape

Standard Weights & Dimensional Tolerance

Size	Weights (g)		
	Thickness (mm)	0.15	0.25
100x100		2.70	4.50
150x150		6.08	10.13
300x300		24.30	40.50
320x320		27.65	46.08

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

Digi-Key Part	T-Global Part	Thickness	Material	Adhesive	Backing Carrier	Thermal Conductivity	Digi-Key Part	T-Global Part
1168-1715-ND	LP0001/01-Li98-0.15	0.0007" (0.178mm)	Acrylic Elastomer	Both sides	Fiberglass	2.0 W/m-K	1168-1715-ND	LP0001/01-Li98-0.15
1168-1908-ND	LP0007/01-Li98-0.25						1168-1908-ND	LP0007/01-Li98-0.25
1168-1867-ND	LP0003/01-Li98-0.25						1168-1867-ND	LP0003/01-Li98-0.25
1168-1845-ND	TG-CPCB1-Li98-0.15						1168-1845-ND	TG-CPCB1-Li98-0.15
1168-1843-ND	TG-CPCB2-Li98-0.15						1168-1843-ND	TG-CPCB2-Li98-0.15
1168-1841-ND	TG-CPCB3-Li98-0.15						1168-1841-ND	TG-CPCB3-Li98-0.15
1168-1847-ND	LP0001/01-Li98-0.25						1168-1847-ND	LP0001/01-Li98-0.25
1168-1857-ND	LP0002/01-Li98-0.25						1168-1857-ND	LP0002/01-Li98-0.25
1168-1907-ND	LP0007/01-Li98-0.15						1168-1907-ND	LP0007/01-Li98-0.15
1168-1763-ND	LP0003/01-Li98-0.15						1168-1763-ND	LP0003/01-Li98-0.15
1168-1718-ND	LP0002/01-Li98-0.15						1168-1718-ND	LP0002/01-Li98-0.15
1168-1766-ND	LP0004/01-Li98-0.15						1168-1766-ND	LP0004/01-Li98-0.15
1168-1769-ND	LP0005/01-Li98-0.15						1168-1769-ND	LP0005/01-Li98-0.15
1168-1877-ND	LP0004/01-Li98-0.25						1168-1877-ND	LP0004/01-Li98-0.25
1168-1772-ND	LP0006/01-Li98-0.15						1168-1772-ND	LP0006/01-Li98-0.15
1168-1887-ND	LP0005/01-Li98-0.25						1168-1887-ND	LP0005/01-Li98-0.25
1168-1897-ND	LP0006/01-Li98-0.25						1168-1897-ND	LP0006/01-Li98-0.25

* 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.