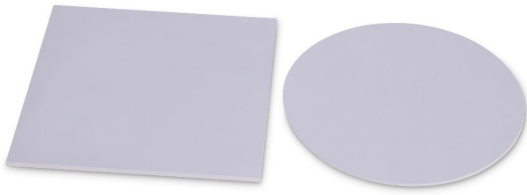




H48-6G

Thermal Conductive Pad

Version 1.050418



Thermal Conductive Pad

H48-6G is a silicone based thermal interface pad which offers a good combination of low thermal impedance, good compressibility and a high dielectric breakdown voltage. H48-6G is available in various thicknesses and different formats such as custom die cuts or standard sheets. Additionally, both custom die cut pads and standard sheets can be supplied with either one of two side thermally conductive adhesive applied for greater ease of manufacture.

Features

- Good thermal conductivity
- Ultra-soft and high compressibility
- Natural tack
- Easy to assemble
- Good insulator
- Shock and vibration absorber

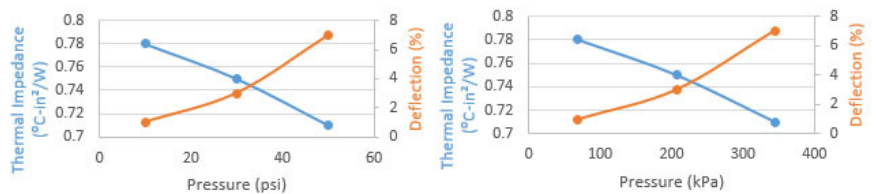
Applications

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

Properties

- ✓ REACH Compliant
- ✓ ROHS Compliant

Property	H48-6G	Unit	Tolerance	Test Method
Colour	Grey	-	-	Visual
Thickness	0.3 - 5.0	mm	-	ASTM D374
	0.0118 - 0.1969	inch	-	ASTM D374
Thermal Conductivity	6	W/mK	±0.6	ASTM D5470
Flammability Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	13	kV/mm	±0.13	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Density	3.09	g/cm ³	±0.2	ASTM D792
Working Temperature	-40 to 200	°C	-	-
Volume Resistance	>10 ¹²	Ohm-cm	-	ASTM D257
Elongation	60	%	±13	ASTM D412
Tensile Strength	6	Kgf/cm ²	±2	ASTM D412
Hardness	35	Shore A	±3.5	ASTM D2240



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



H48-6G Thermal Conductive Pad

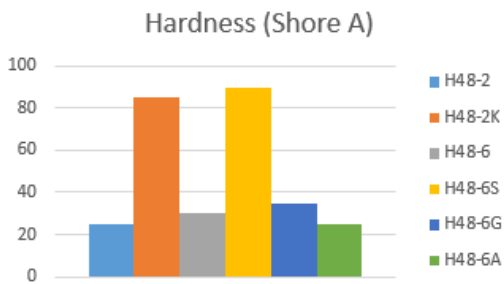
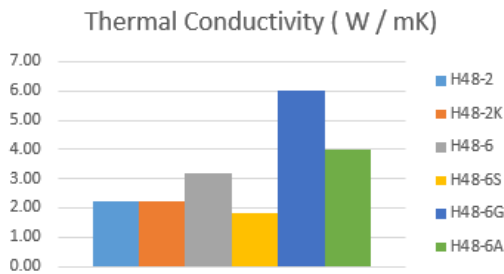
Standard Weights & Dimensional Tolerance

Size	Thickness (mm)	Weight (gr)											
		0.30	0.50	0.80	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00
100x100	100x100	9.27	15.45	24.72	30.90	46.35	61.80	77.25	92.70	108.15	123.60	139.05	154.50
	150x150	20.86	34.76	55.62	69.53	104.29	139.05	173.81	208.58	243.34	278.10	312.86	347.63
	300x300	83.43	139.05	222.48	278.10	417.15	556.20	695.25	834.30	973.35	1,112.40	1,251.45	1,390.50
	320x320	94.92	158.21	253.13	316.42	474.62	632.83	791.04	949.25	1,107.46	1,265.66	1,423.87	1,582.08

* All measurements in weights are in gr

** All sizes are in mm

Data



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.