

TG-A4500

Ultra Soft Thermal Pad

REACH Compliant RoHS Compliant UL Compliant

Features

- High thermal conductivity
- High compressibility and compliancy
- Natural tack

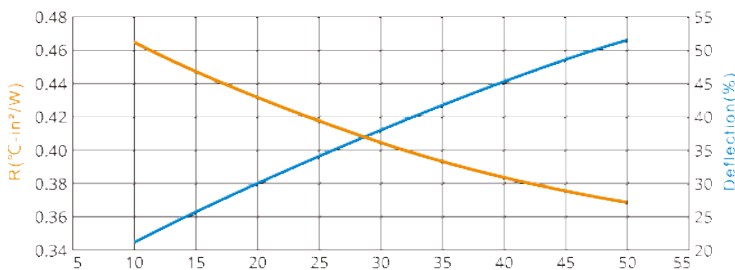
Applications

Best for high power applications

Electronic components - Electric Vehicles, 5G, Autopilot System, Mobile Phone, AIOT, HPC (High Performance Computing), Server, IC, CPU, MOS, LED, Mother Board, Power Supply, Heat Sink, LCD-TV, Notebook, PC, Telecom Device, Wireless Hub, DDR II Module, etc.

Properties

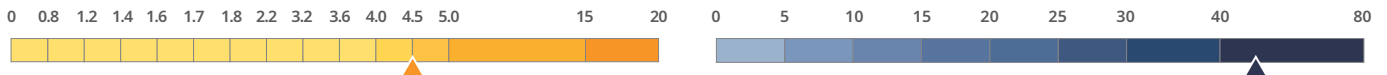
Thermal Resistance VS. Pressure VS. Deflection



Pressure (psi)	R (°C-in²/W)	Deflection (%)
10	0.465	21
30	0.405	38
50	0.369	52

Thermal Conductivity : 4.5 W/mK

Hardness : 50 (Shore 00)



Properties	TG-A4500	Unit	Tolerance	Test Method
Thermal Conductivity	4.5	W/mK	±10%	ASTM D5470
Thickness	0.5~8.0	mm	-	ASTM D374
	0.0197~0.3149	inch	-	ASTM D374
Color	Purple	-	-	Visual
Flame Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	≥6	KV/mm	-	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Density	3.1	g/cm³	±10%	ASTM D792
Working Temperature	-50~+180	°C	-	-
Volume Resistance	1 × 10 ¹³	Ohm-m	-	ASTM D257
Elongation	50	%	-	ASTM D412
Standard Format	Sheets one	-	-	-
Hardness	50	Shore 00	±15	ASTM D2240

※The thickness is less than 1.0mm, considering that it's too soft to pick up from the bottom paper, therefore, adjusting the hardness to 50~75 for production line.

※Different tolerances according to the selected thickness

※ Pre-cut for different shapes

T-Global Technology (Europe & North America) Limited

Units 1-2 Cosford Business Park, Central Park, Lutterworth, Leicestershire, LE17 4QU, United Kingdom

T +44 (0)1455 553 510 E sales@tglobaltechnology.com W www.tglobaltechnology.com

Version18
20220617



T-Global Technology are proud to announce the launch of a new company logo and mission statement as part of the ongoing growth and evolution of our company's brand.

NOTICE: The information contained herein is to the best of our knowledge true and accurate. Values stated in this technical data sheet represent typical values as not all tests are run on each lot of material produced. All specifications are subject to change without notice. The protective film and release paper does not affect the function of the product. If there is no special requirement, the default depends on T-Global. 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'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.