



TG-A1250 Ultra Soft Thermal Pad

REACH Compliant RoHS Compliant UL Compliant

Features

- · High thermal conductivity
- Low thermal resistance
- · High compressibility and compliancy
- · Good electrical insulation

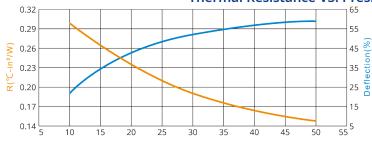
Applications

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	0.304	19
30	0.194	53
50	0.147	58

Thermal Conductivity: 12.5 W/mK

Hardness: 55 (Shore 00)

0	8.0	1.2	1.4	1.6	1.7	1.8	2.2	3.2	3.6	4.0	4.5	5.0		1	5	20	0	5	10	15	20	25	30	40	
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Properties	TG-A1250	Unit	Tolerance	Test Method	
Thermal Conductivity	12.5	W/mK	±10%	ASTM D5470	
Thickness	0.5~8.0	mm	-	ASTM D374	
THICKITESS	0.0197~0.3149	inch	-	ASTM D374	
Color	Green	-	-	Visual	
Flame Rating	V-0	-	-	UL 94	
Dielectric Breakdown Voltage	≥6.5	KV/mm	-	ASTM D149	
Weight Loss	<1	%	-	ASTM E595	
Density	3.3	g/cm³	±10%	ASTM D792	
Working Temperature	-50~+180	° C	-	-	
Volume Resistance	1×10 ¹³	Ohm-m	-	ASTM D257	
Elongation	40	%	-	ASTM D412	
Standard Format	Sheets one	-	-	-	
Hardness	55	Shore 00	±10	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.

T-Global Technology (Europe & North America) Limited

Version18 20220617

t-Global

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.

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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.

^{*}Different tolerances according to the selected thickness

[※] Pre-cut for different shapes