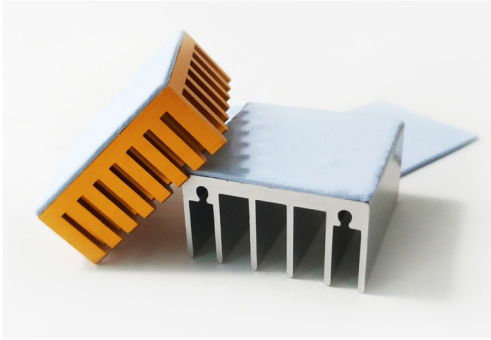


# TG-A6200

## Ultra-Soft Thermal Pad

Version 3.251019



### Ultra-Soft Thermal Pad

TG-A6200 is an ultra-soft, silicone based thermal interface material. TG-A6200 has a low thermal impedance, conforms readily to surfaces due to its low hardness and provides a high dielectric breakdown voltage. TG-A6200 contains a fibreglass mesh for enhanced ease of manufacture and is available in various formats such as standard sheets and custom die-cut parts depending upon the end application..

### Features

- High thermal conductivity
- Highly compressible and surface compliant
- Naturally tacky

### Applications

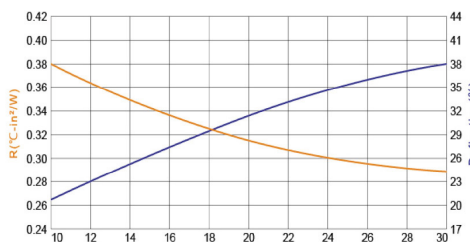
Electronic components: IC, CPU, MOS  
 LED, M/B, P/S, Heat Sink  
 LCD, TV, Notebook PC, PC Telecom Device, Wireless Hub, etc.  
 DDR II Module, DVD Applications, Hand-set applications, etc.

### Properties

- ✓ REACH Compliant
- ✓ ROHS Compliant

Property	TG-A6200	Unit	Tolerance	Test Method
Colour	Blue	-	-	Visual
Thickness	0.5 - 8.0	mm	-	ASTM D374
	0.0197 - 0.315	inch	-	ASTM D374
Thermal Conductivity	6.2	W/mK	±0.62	ASTM D5470
Flammability Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	6	kV/mm	±1.3	ASTM D149
Weight Loss	<1	%	-	ASTM E595
Density	3.1	g/cm <sup>3</sup>	-	ASTM D792
Working Temperature	-50 to +150	°C	-	-
Volume Resistance	1x10 <sup>13</sup>	Ohm-m	-	ASTM D257
Elongation	50	%	-	ASTM D412
Hardness	50	Shore 00	±5	ASTM D2240

### Thermal Resistance vs Pressure vs Deflection



Pressure (psi)	R (°C-in/W)	Deflection (%)
10	0.380	21
30	0.290	38

Testing sample thickness: 1.0mm - In "Thermal Resistance vs. Pressure vs Deflection" chart. TG-A6200 provides low thermal impedance. The pressure gets higher, the thermal impedance gets lower, and deflection percentage gets higher. TG-A6200 provides good compliance and softness.

\* 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.

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