

TG-A126X / TGX Ultra Soft Thermal Pad

REACH Compliant RoHS Compliant UL Compliant

Features

- High thermal conductivity
- Low hardness
- High compressibility
- Electrical insulation

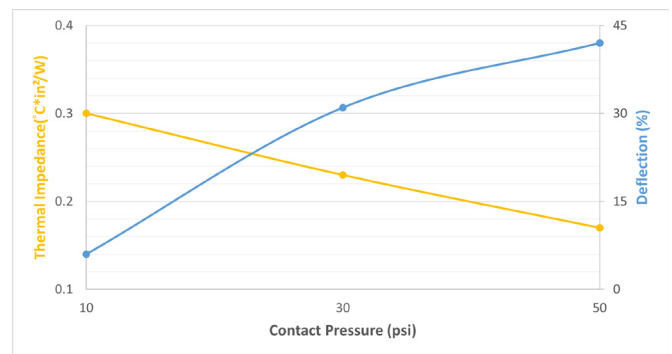
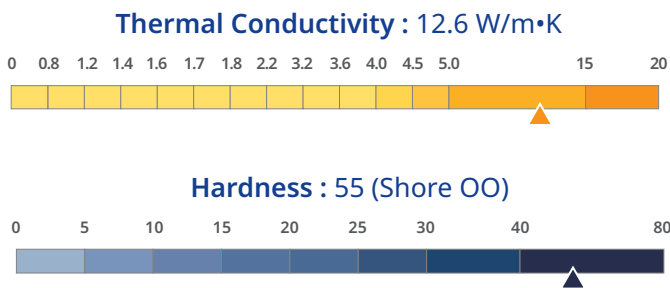
Application:

Usually used for industrial computers, military products

Electronic Components - 5G, Aerospace, AI, AIoT, AR/VR/MR/XR, Automotive, Consumer Devices, Datacom, Electric Vehicle, Electronic Products, Energy Storage, Industrial, Lighting Equipment, Medical, Military, Netcom, Panel, Power Electronics, Robot, Servers, Smart Home, Telecom, etc.

Properties

Contact Pressure, Thermal Impedance, and Deflection



| Properties | Unit | TG-A126X / TGX | Tolerance | Test Method |
|------------------------------|----------|-------------------|-----------|----------------------|
| Thermal Conductivity | W/m·K | 12.6 | ±10% | ASTM D5470 Modified |
| Thickness | mm | 0.5~2.0 | - | ASTM D374 |
| | inch | 0.0197~0.787 | - | ASTM D374 |
| Color | - | Gray | - | Colorimeter CIE 1976 |
| Flame Rating | - | V-0 | - | UL 94 |
| Dielectric Breakdown Voltage | KV/mm | ≥12.2 | - | ASTM D149 |
| Weight Loss | % | <1 | - | ASTM E595 Modified |
| Density | g/cm³ | 3.4 | ±5% | ASTM D792 |
| Operating Temperature | °C | -45~+200 | - | - |
| Volume Resistivity | Ohm-m | >10 ¹⁰ | - | ASTM D257 |
| Standard Format | - | Sheet | - | - |
| Hardness | Shore OO | 55 | ±10 | ASTM D2240 |

- ※For thicknesses less than 1.0mm, hardness will be adjusted to 50-75 Shore OO to facilitate effective removal of liner during production
- ※Different tolerances according to the selected thickness
- ※Die-cut for different shapes

T-Global Technolgy Co., Ltd.

No.33, Ln.50, Daren Rd., Taoyuan Dist., Taoyuan City 330058, Taiwan

T +886-3-361-8899 E service@tglobalcorp.com W www.tglobalcorp.com

Version19
20240220



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. In order to provide customers with more efficient thermal interface materials, T-Global Technology has updated the manufacturing process for some products and integrated UL certification. From today, we will replace some of previous generation products with TG-A series part numbers.