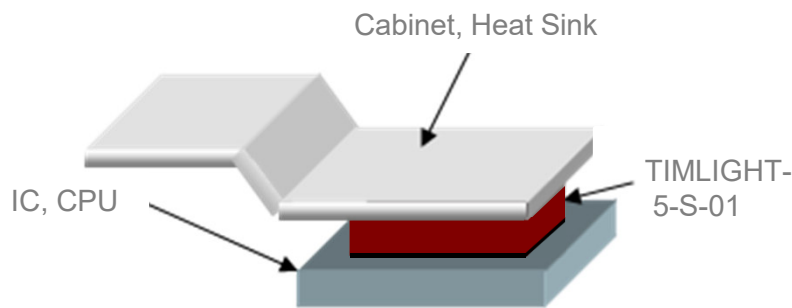


TIMLIGHT-5-S-01 5.0W/m·K Thermal conductive sheet

Description

- TIMLIGHT-5-S-01 Series offers excellent thermal conductivity while maintaining the silicone's superior heat resistance and electrical insulation properties. Its flexibility and adhesive qualities allow it to conform easily to heating elements, enhancing its performance.
- TIMLIGHT-5-S-01 contains less than 70 ppm of low-molecular siloxane, which can cause contact faults in electronic devices. This makes our product suitable for use near contact points in devices like switches.



Usage Example

Features

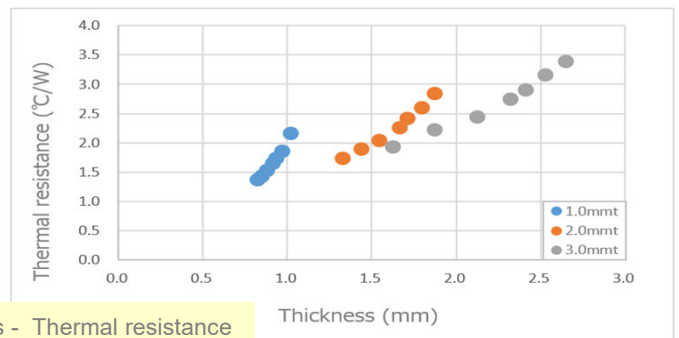
- Thermal Conductivity: 5.0 W/m·K
- 2-layer type
- Excellent in shape maintenance performance and workability
- Low Thermal Resistance
- Single-sides self adhesive (self tacky)
- Low volatile Siloxane (D4-D10) ≤ 70 ppm

Example Application

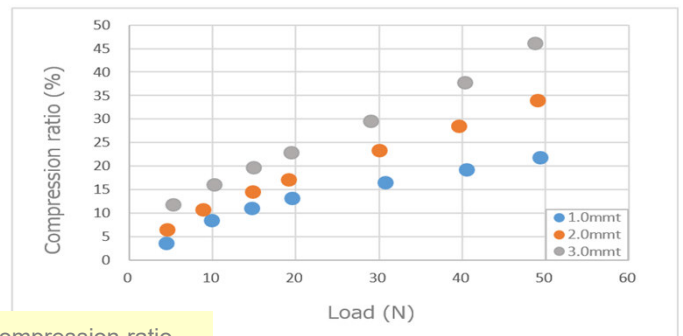
- CPUs, GPUs
- High energy-density LEDs
- Busbar

Typical Properties

Color	Reddish Black/ Black
Product configuration	Two-layer Type
Thermal Conductivity (ASTM D 5470)	5.0 W/m·K
Hardness (Shore OO)	50
Specific Gravity	3.1
Volume Resistance	$\geq 1 \times 10^{10} \Omega \cdot \text{cm}$
Breakdown Voltage	$\geq 7 \text{ kV/mm}$
Flame Rating (UL94)	V-0 equivalent
Volatile Siloxane (D4-D10)	≤ 70 ppm
Operating Temperature	-40 ~ 150°C
Thickness	≥ 1.0 mm



Thickness - Thermal resistance



Load - Compression ratio

* Measurement sample size: 12mm × 12mm

※ The values are for reference only and are not guaranteed. Specifications and appearance are subject to change without notice.