

## Thermally conductive products

### Thermipad® TP 22831

---

**Description:** Thermipad® TP 22831 is a thermally conductive interface material designed to fill air gaps between heating elements and heat dissipation fins or metal bases. Its flexibility and elasticity allow it to conform to highly uneven surfaces. Heat is transferred from individual components or even the entire PCB to the metal housing or heat sink, thereby improving efficiency and extending the lifespan of heat-generating electronic components.

---

**Properties:** Thermipad® TP 22831 has the following properties: thermal conductivity of 4,0 W/m-K, high thermal conductivity, natural tacky, good electrically isolating and easy to assembly.

---

**Application:** Thermipad® TP 22831 is used in computer technology, such as CPU, Heat sink, Memory modules, LED Lighting, LCD-TV, Military Electronics, Power Supplies, Telecom services, Wireless instruments and Automotive control services

---

**Colour:** Multi color

---

**Forms of delivery:** Thermipad® TP 22831 is available in thicknesses from 0.3 mm to 10 mm. Thermipad® TP 22831 is supplied in blanks, punched parts and moulds according to customer specifications.

---

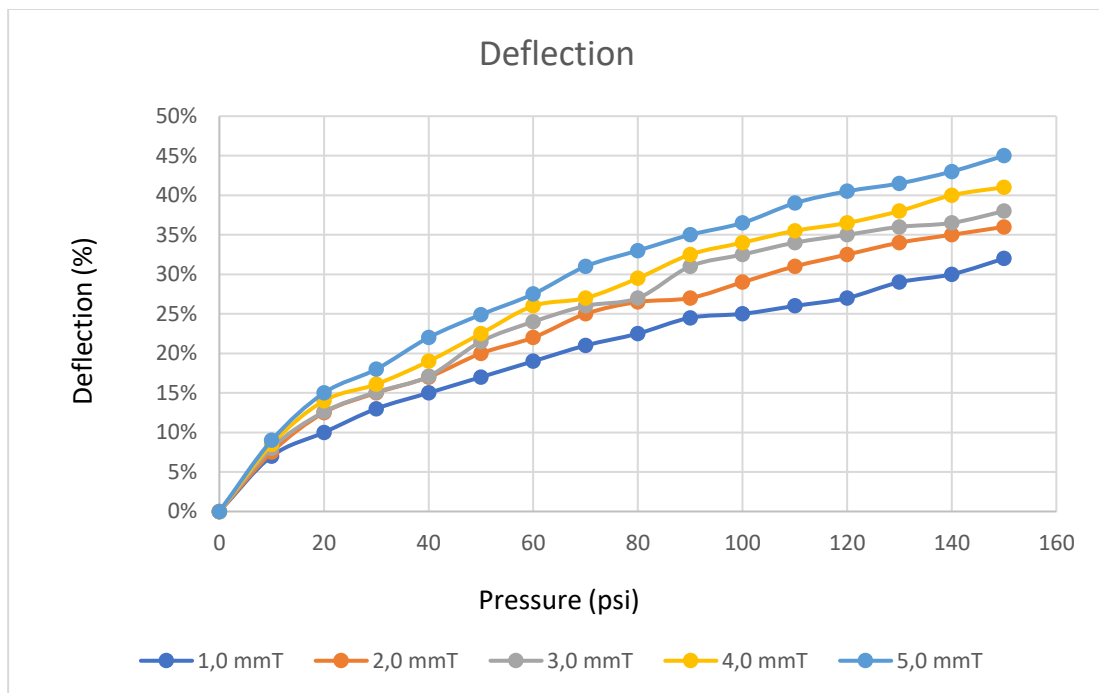
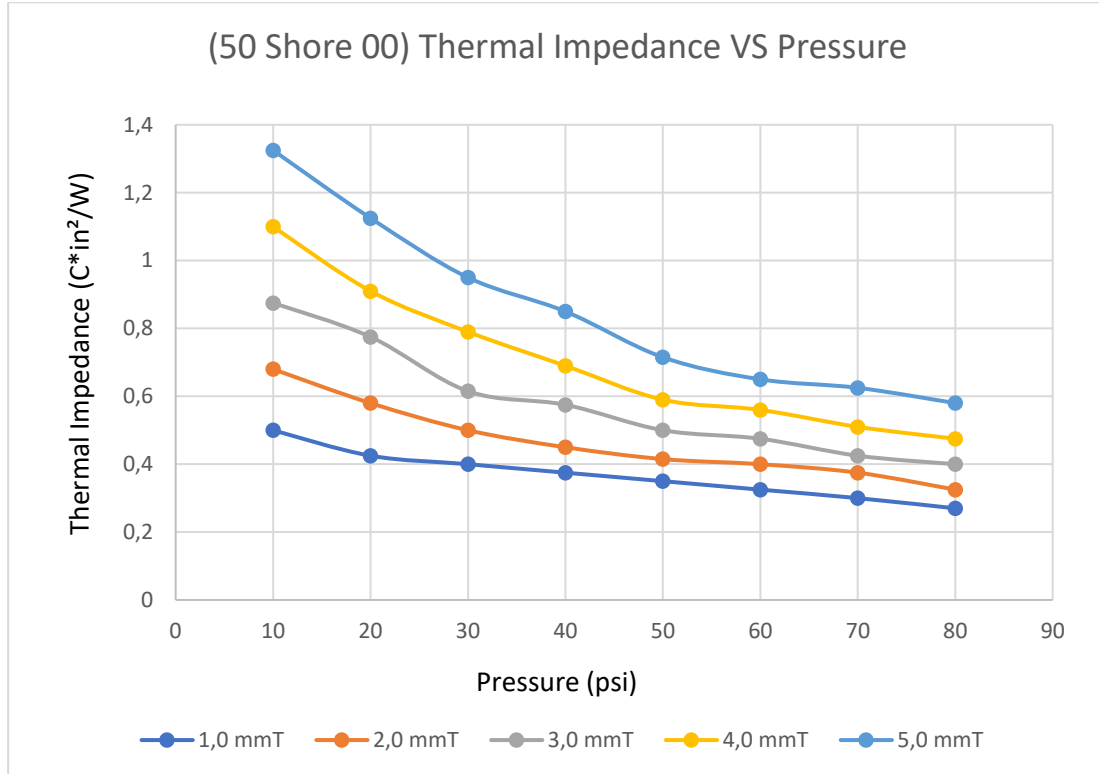
**Storage conditions:** Thermigrease® TP 22831 should be stored at room temperature in dry rooms.

---

## Thermipad® TP 22831

Properties	Method	Unit	Value
Composition	/	/	Silicone elastomer
Color	Visual	/	Multi color
Thermal conductive	ASTM D5470	W.m <sup>-1</sup> .K <sup>-1</sup>	4,0
Hardness	ASTM D2240	Shore 00	40~70
Density	ASTM D792	g.cm <sup>-3</sup>	3,1
Temperature Range	/	°C	- 40 to + 200
Breakdown Voltage (V/mm)	ASTM D149	V	>8000
Flame Rating	UL 94	/	UL 94 V-0
Dielectric Constant	ASTM D150	MHz	12,6
Standard Sheet Size	/	mm	300x400
Volume Resistivity	ASTM D257	ohm-cm	2,99•10 <sup>13</sup>
Tensile Strength	ASTM D412	psi	32

**Thermipad® TP 22831**



## Thermipad® TP 22831

---

**Trademark information:** Thermipad® is a registered trademark of Dr Dietrich Müller GmbH, Germany.

---

**Please note:**

The information in this technical data sheet is based on our current knowledge and experience. Due to the wide range of possible influences during application, it does not exempt the processor and user from carrying out their own tests and trials. A legally binding guarantee of certain properties or suitability for a specific application cannot be derived from our information. Depending on the individual case, we recommend consulting us. The recipient of our products is responsible for observing any industrial property rights and existing laws.

---