

Thermally conductive products

Thermipad® TP 22829

Heat conducting pad

Description: Thermipad® TP 22829 offers a thermal conductivity of 7.5 W/mK paired with excellent pressure-versus-deflection properties. This combination minimizes stress on components while ensuring low thermal resistance, effectively reducing both mechanical and thermal stresses.

Features:

- 7.5 W/mK thermal conductivity
- Low pressure versus deflection
- Excellent surface wetting for low contact resistance
- Minimizes board and component stress
- Low Outgassing
- Low D3-D20 (< 20ppm)
- Large tolerance applications
- Environmentally friendly solution that meets regulatory requirements including RoHS and REACH

Colour: grey

Forms of delivery: Thermipad® TP 22829 is available in thickness from 0,5 mm to 5 mm. The material is available in 250 µm increments.

Storage conditions: Thermipad® TP 22829 should be stored at room temperature in dry rooms and in the original packaging.

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Properties	Test Method	Unit	Value
Construction & Composition	N/A	/	Ceramic filled silicone sheet
Colour	Visual	/	grey
Thickness Range	N/A	/	500 µm – 5.000 µm
Thermal Conductivity	Hot Disk	W/mK	7,5
Density	Helium Pycnometer	g/cc	3,5
Hardness	ASTM D2240	Shore 00	500 and 750 µm: 45 1.000 µm and up: 32
Outgassing TML	ASTM E595	weight %	0,17
Outgassing CVCM	ASTM E595	weight %	0,01
Temperature Range	Laird Test Method	°C	-50 to +125
Rth at 40 mils, 10 psi, 500 C	ASTM D5470	°C–in ² /W	0,198
Dielectric Constant at 1 MHz	ASTM D150	/	8,14
UL Flammability Rating	UL 94	/	V-0
Volume Resistivity	ASTM D257	ohm-cm	8,73×10 ¹³

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.