

Thermal conductivity products

Thermipad® TP 22010

Description: Thermipad® TP 22010 is a soft-silicone film with average thermal conductivity, dielectric strength and high elasticity.

Properties: Due to the high compressibility of Thermipad® TP 22010, heat sources and heat sinks, which exhibit great irregularities, will be bound together thermally. Cases therefore can function as cooling elements and overall spare room in the application can be saved. Thermipad® TP 22010 has good conformability, thus side-surfaces of building components get affected and the contact surface increased and that enhances the thermal connectivity. The required pressure is low, so damages to building components, printed circuit boards and cases are avoided. The high elasticity also helps with mechanical damping within the application. Thermipad® TP 22010 is a soft and flexible material, which can be processed quick, easy and reliable.

Applications: Thermipad® TP 22010 is very suitable in applications, which require conducting the heat away over greater distances due to varying building component heights or tolerances and irregularities to a case or cooling element. A variety of applications are motor controls and –cooling, Interfaces and cases or cooling elements, electrolytic capacitors, thermal sensors, high-power diodes, heat pipes, CD-ROM cooling, chargers, USV and SMPS.

Colour: pink

Dr. Dietrich Müller GmbH

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Delivery forms: Thermipad® TP 22010 is available as a customized cut or molded part and pads (200 x 400 mm). Other dimensions and thicknesses upon customers' request.

Storage conditions: Thermipad® TP 22010 should be stored in its' original packaging at max. 40°C.

Property	Unit	Value
Material	-	Silicone
Thickness	mm	1,0
Hardness	Shore 00	25
Breakdown voltage	V (AV)	>6000
Specific contact resistance	Ohm*m	10 ¹¹
Density	g/cc	1,6
Flammability	-	UL 94 V0
Thermal conductivity	W/m*K	0,8
Heat transfer resistance	°C/W	2,48
Operating temperature	°C	-60 - +200

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

Please note:

The information in this data sheet is based on our current knowledge and experience. They do not disengage the fabricator and the user from own tests and inspections because of the plenty of possible effects. There is no judicial binding assurance of certain properties or of the qualification for a concrete application in our declaration. We recommend consulting us in individual cases. The acceptor of our products has to observe possible industrial property rights as well as present laws by himself.

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