

Thermal conductivity products

Thermipad® TP 22003

Description: Thermipad® TP 22003 is a very soft, electrically insulating thermal pad.

Properties: Thermipad® TP 22003 exhibits exceptional thermal conductivity, is highly compressible, has a natural tackiness and low hardness. Thermipad® TP 22003 has low oil bleeding.

Applications: Thermipad® TP 22003 is used in electronic components such as CPU and MOS, but also for LEDs, various cooling elements, LCD TVs, notebooks, telecommunication devices, etc.

Colour: red

Delivery forms: Thermipad® TP 22003 can be featured with an adhesive on the back and is available as a die-cut or molded part, as well as a sheet (320 x 320 mm). The thicknesses range from 0,5 – 2,0 mm. Other delivery forms upon customer request.

Dr. Dietrich Müller GmbH

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Property	Test method	Unit	Value
Thermal conductivity	ASTM D 5470	W/m k	6
Flammability class	UL 94		V-0
Breakdown voltage	ASTM D149	kV/mm	13
Weight loss	ASTM E595	%	<1
Density	ASTM D792	g/cm ³	3,2
Service temperature		°C	-45 to +200
Contact resistance	ASTM D257	Ohm-cm	>10 ¹²
Elongation	ASTM D412	%	50
Tensile strength	ASTM D412	Kgf/cm ²	0,5
Hardness	ASTM D2240	Shore 00	50

Thermipad® TP 22003 has a REACH and RoHS conformability

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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