

Thermal conductivity products

Thermipad® TP 22004

Description: Thermipad® TP 22004 is a very soft, electrically insulating thermal pad.

Properties: Thermipad® TP 22004 exhibits exceptional thermal conductivity, is highly compressible, has a natural tackiness and low hardness. Thermipad® TP 22004 has low oil bleeding.

Applications: Thermipad® TP 22004 is used in electronic components such as CPU and MOS, but also for LEDs, various cooling elements, LCD TVs, notebooks, telecommunication devices, etc.

Colour: grey

Delivery forms: Thermipad® TP 22004 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). Available thicknesses are 0,5 mm and 1,0 mm. Other delivery forms upon customer request.

Dr. Dietrich Müller GmbH

Thermipad® TP 22004

Property	Test method	Unit	Value
Thermal conductivity	ASTM D 5470	W/m k	12
Flammability class	UL 94		V-0
Breakdown voltage	ASTM D149	kV/mm	12
Weight loss	ASTM E595	%	<1
Density	ASTM D792	g/cm ³	3,4
Service temperature		°C	-45 to +200
Contact resistance	ASTM D257	Ohm-cm	>10 ¹¹
Hardness	ASTM D2240	Shore 00	60

Thermipad® TP 22004 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.