

Thermal conductivity products

Thermipad® TP 22021

Description: Thermipad® TP 22021 is a very soft thermal pad, which is enhanced by a fiberglass-base.

Properties: Thermipad® TP 22021 is very adaptable, electrically insulating and has a very good shear- and tear resistance as well as good dielectric strength. Furthermore, Thermipad® TP 22021 provides vibration-dampening and shock absorption.

Applications: Thermipad® TP 22021 is used in heat generating semiconductors, magnetic components, cooling elements and high voltage devices as well as computers and the telecommunication industry.

Colour: purple-pink

Delivery forms: Thermipad® TP 22021 is available as a die-cut or molded part and cuts.

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Property	Test method	Unit	Value
Colour	visible	-	purple-pink
Base-material	-	-	fiberglass
Thickness	ASTM D374	mm	0,020 – 0,250 0,508 – 6,350
Initial adhesive force	-	-	1
Density (adhesive)	ASTM D792	g/cc	1,6
Heat capacity	ASTM E1269	J/g-k	1,0
Hardness (adhesive)	ASTM D2240	Shore 00	5,0
Elasticity	ASTM D575	psi kPa	8 55
Operating temperature	-	°C	-60 - +200
Breakdown voltage	ASTM D149	Vac	6000
Dielectric constant at 1,000 Hz	ASTM D150	-	5,5
Contact resistance	ASTM D257	Ohm-meter	10 ¹¹
Flammability	UL94	-	V-0
Thermal conductivity	ASTM D5470	W/mK	1,0
Thermal resistance at 3 mm thickness, 10% tension	-	°C/in ² /W	1,97
Thermal resistance at 3 mm thickness, 20% tension	-	°C/in ² /W	1,87
Thermal resistance at 3 mm thickness, 30% tension	-	°C/in ² /W	1,68

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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.

Dr. Dietrich Müller GmbH