

Thermally conductive products

Thermipad® TP 22171

Properties: Thermipad® TP 22171 has high insulating properties and compressibility. It is easy to process, very soft and has a low thermal impedance, good thermal conductivity and natural adhesion.

Applications: Thermipad® TP 22171 is used in electrical components like CPU and MOS, as well as in LEDs, different heat sinks, LCD TVs, telecommunication devices etc.

Delivery forms: Thermipad® TP 22171 can be equipped with an adhesive back. Thermipad® TP 22171 can be delivered as die-cut part, cut or on rolls (640 mm x 320 mm). Other delivery forms upon customer request.

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Property	Test method	Unit	Tolerance	Value
Colour	Visual	-	-	Yellow
Reinforcement carrier	-	-	-	Fibreglass mesh
Available thickness range	ASTM D374	mm	-	0,3 – 20
Thermal conductivity	ASTM D5470	W/mK	-	1.7
Flammability rating	UL 94	-	-	V-0
Dielectric breakdown voltage	ASTM D149	kV/mm	-	10
Weight loss	ASTM E595	%	-	1
Density	ASTM D792	g/cm ³	0,2	2,17
Service temperature	-	°C	-	-40 up to 200
Volume resistance	ASTM D257	Ohm-cm	-	10 ¹²
Elongation	ASTM D412	%	0,2	-
Tensile strength	ASTM D412	Kgf/cm ²	5	66,4
Hardness	ASTM D2240	Shore A	3	5

Thermipad® TP 22171 is RoHS and REACH conform.

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

Please note:

The information in this data sheet are based on our current knowledge and experience. They do not disengage the fabricator and 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