

## Thermally conductive products

### Thermipad® TP 22604

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**Composition:** Thermipad® TP 22604 is a silicon film filled with ceramics.

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**Properties:** Thermipad® TP 22604 is a soft gap-filler, which easily adheres but it can also be easily removed and is electrical insulating.

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**Applications:** Thermipad® TP 22604 is used in electrical components for example LED- and LCD-devices, semiconductors and transformers as well as in all applications which require metal coatings as heat sink.

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**Delivery forms:** Thermipad® TP 22604 is delivered as cuts and formed parts as well as in mats with dimensions of 200 mm x 400 mm.

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**Storage requirements:** Thermipad® TP 22604 should be stored in its original packaging at max. 40°C.

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## Thermipad® TP 22604

Properties	Test method	Unit	Value
Total thickness	-	mm	0.50 - 12
Colour	-	-	dark grey
Rigidity	ASTM D2240	Shore C	25
Density	ASTM D792	g/cc	2.5
Tensile strength	ASTM D412	KN/m	0.5
Elongation at break	ASTM D412	%	70
Service temperature	EN344	°C	-40 up to 150
Breakdown voltage	ASTM D149	Kv/mm	≥5.0
Specific volume resistivity	ASTM D257	ohm-cm	8.0 x 10 <sup>15</sup>
Dielectric constant	ASTM D150	1MHz	5.75
Shrinkage	150°C 240H	-	≤0.3%
Insulation class	UL 94	-	V-0
Thermal conductivity	ASTM E1461	W/m.k	1.5

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

**Please note:**

The information in this data sheet is 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