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Thermally conductive products

Thermipad® TP 22600

Composition:	Thermipad® TP 22600 is a silicone film with a glass fabric.
Properties:	Thermipad® TP 22600 is a very soft film, which conforms to roughness with very low pressure. Thermipad® TP 22600 has high dielectric strength even at high shearing and breaking load.
Applications:	Thermipad® TP 22600 is used in electric components, e.g. LCD TV and communication devices as semiconductor and heat sink. Furthermore it can be used as universal cooling module and it can also be used in all applications which require a metal casting as heat sink.
Delivery forms:	Thermipad® TP 22600 is delivered as cuts and forms according to customer specifications as well as mats (200 mm x 400 mm).
Storage conditions:	Thermipad® TP 22600 should be stored in its original packaging at max. 40°C.

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Thermipad® TP 22600

Property	Test method	Unit	Value
Total thickness	-	mm	0.50 - 12
Colour	-	-	Pink & white
Rigidity	ASTM D2240	Shore C	10
Density	ASTM D792	g/cc	2.0
Tensile strength	ASTM D412	KN/m	2.5
Elongation at break	ASTM D412	%	60
Temperature area	DIN EN344	°C	-40 up to 150
Dielectric strength	ASTM D149	KV/mm	≥6.0
Specific volume resistance	ASTM D257	Ohm-cm	6.2×10^{15}
Dielectric constant	ASTM D150	1MHz	5.27
Shrinkage at 150°C 240H	-	-	≤1%
Flammability	UL 94	-	V-0
Thermal conductivity	ASTM E1461	W/mK	1.0

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.