

Thermally conductive products

Thermicap® TT 24020

Composition: Thermicap® TT 24020 is made of a mixture of very good thermally conducting ceramic and silicone.

Properties: Extremely low thermal resistance can be achieved due to adaptable and flexible abilities on uneven surfaces of Thermicap® TT 24020. It is used for applications that require the highest technical demands. It offers very good thermal properties e.g. high thermal conductivity and dielectric strength. Thermicap® TT 24020 is a safe all round insulation that can be processed quickly and neatly.

Applications: Thermicap® TT 24020 is used for thermal coupling insulation of heat sources and heat reduction on cooling elements, power semi-conductors and –modules in power supply units, electric drives, telecommunication modules, engine controls, frequency converters as well as UPS-systems.

Colour: brown

Storage conditions: Thermicap® TT 24020 should be stored in dry rooms at room temperature in its original packaging.

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Property	Unit	Value
Thickness	mm	0,3 ± 0,10
Tensile strength	MPa	4,0
Tear strength	kN/mm	11,8
Breakdown voltage		
Voltage ramp	V(AC)	12000
Voltage level	V(AC)	10000
Spec. contact resistance	Ohm*m	3,5 x 10 ¹³
Dielectric constant	1000Hz	6,2
Flammability		
Thermal conductivity	W/mK	2,0
Heat transfer resistance	°C/W	0,25
Operating temperature	°C	-60 to +200

Trademark information: Thermicap® 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.