

Thermally conductive products

Thermitube® TT 24001

Composition: Thermitube® TT 24001 is made of a mixture of very good thermally conductive ceramic and silicone.

Properties: Due to its adaptable and flexible abilities of Thermitube® TT 24001 on uneven surfaces extremely low total thermal resistance can be achieved. Thermitube® TT 24001 is used for applications that require the highest technical demands. It offers very good thermal properties, e.g. high thermal conductivity and dielectric strength. Thermitube® TT 24001 is a safe all-round insulation, which can be processed quickly and neatly.

Applications: Thermitube® TT 24001 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.

Color: brown

Delivery forms: Thermitube® TT 24001 is available with a diameter of 7,0 mm; 9,5 mm; 10,7 mm and 13,5 mm (± 1 mm), sold by the meter or customized pieces. Other dimension upon customers request.

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Storage conditions: Thermitube® TT 24001 should be stored in dry rooms at room temperatures in its original packaging.

property	Unit	Value
Thickness	mm	0,45 ± 0,1
Tensile strength	MPa	4,0
Tear strength	kN/mm	11,8
Breakdown voltage		
Voltage ramp	V(AC)	16000
Voltage level	V(AC)	13000
Spec. contact resistance	Ohm*m	3,5 x 10 ¹³
Dielectric constant	1000 Hz	6,2
Flammability		UL 94 VO
Thermal conductivity	W/mK	2,0
Heat transfer resistance	°C/W	0,36
Operating temperature	°C	-60 to +200

Trademark information: Thermitube® 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