

Dr. Dietrich Müller GmbH, Zeppelinring 18, D-26197 Ahlhorn

# Thermally Conductive Products

## Thermitube<sup>®</sup> TT 24000

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**Structure:** Thermitube<sup>®</sup> TT 24000 is made of a mixture of very good heat-conducting ceramic and silicone.

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**Characteristics:** An extremely low surface unevenness of the total thermal contact resistance is achieved due to the high degree of adaptability and flexibility of Thermitube<sup>®</sup> TT 24 000. Thermitube<sup>®</sup> TT 24 000 is used in applications with highest technical standards, due to its excellent thermal properties, such as very high thermal conductivity and high electrical breakdown strength. Thermitube 24 000<sup>®</sup> TT is a safe all-round insulation that can be processed quickly and cleanly.

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**Application:** Thermitube<sup>®</sup> TT 24000 is used for thermal connection and electrical insulation from heat sources and heat sinks for heat transfer to enclosures, in power semiconductors and modules in power supply units, electric drives, telecommunication modules, motor controls and frequency inverters.

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**Colour:** Thermitube<sup>®</sup> TT 24000 is supplied in brown as standard.

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Stand September 2014

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info@mueller-ahlhorn.com | www.mueller-ahlhorn.com | Sitz der Gesellschaft: Ahlhorn  
Geschäftsführer: Heinz-Jürgen Siebert | AG Oldenburg: HRB 209026 | Ust. ID-Nr.: DE 295969093  
St.-Nr.: 68/207/07677 | Zertifiziert nach DIN EN ISO 9001:2008 | UL anerkannter Repacker E341377

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- Elektroisierstoffe
- Dichtungen
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## Thermitube® TT 24000

**Form of supply:** Thermitube® TT 24000 is available in diameters of 7.0 mm, 9.5 mm, 10.7 mm and 13.5 mm (± 1mm) lengths and parts as per customer specification. Different diameters are also available on request.

**Storage conditions:** Thermitube® TT 24000 should be stored in a dry place at room temperature and in its original packaging.

Properties	Unit	Value
Material Thickness	mm	0.30 ±0.10
Tensile Strength	MPa	4.0
Tear Strength	kN/mm	11.8
Breakdown Voltage		
Voltage Ramps	V(AC)	12000
Voltage Steps	V(AC)	10000
Specific Volume Resistance	Ohm*m	3.5 x 10 <sup>13</sup>
Dielectric Constant	1000Hz	6.2
Flammability (UL 94 VO)	-	-
Thermal Conductivity	W/mK	2.0
Heat Transfer Resistance	°C/W	0.25
Operating Temperature	°C	-60 - +200

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## Thermitube<sup>®</sup> TT 24000

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**Trademark Information:** Thermitube<sup>®</sup> is a registered trademark of the company Dr. Dietrich Müller GmbH, Germany.

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**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.

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