



BOSS[®] TC 1010

TECHNICAL DATA

Basis	Polysiloxane
Consistency	paste
Color	White
Density	1.9 ± 0.08 (g/ml)
Cone Penetration	360 ± 10 (1/10 mm)
Thermal Conductivity	1.0 ± 0.2 (W/m-k)
Volatile Dry Fraction	<1.0 (200°C, 24h) (%)
Breakdown voltage	>5.0 (Kv/mm)
Operating temperature	-40-200 (°C)

* These values may vary depending on environmental factors such as temperature, moisture, and type of substrates.

** This information relates to fully cured product.

Description

BOSS[®] Thermal Grease TC 1010 is a one-part, non-curing compound with thermal conductivity and stability. It contains heat conducting material and organic silicone, designed to maintain a positive heat sink seal. This improves heat transfer from electrical/electronic devices to heat sinks or chassis, enhancing overall efficiency.

Properties

- Excellent thermal conductivity
- Good electrical insulation
- Good weather and temperature resistance
- Stable paste between -40 to 200°C

Applications

- It is widely used in various electronic products, especially at the contact surface between the heating element and the heat radiating device in electrical equipment.
- It is used on the contact surface between the radiator of the LED lamp and the PCB, making it suitable for SMD high-power lamps.
- CPU, power amplifier, thermistor, power module, etc.

Packaging

Packaging: 1 kg pail. Colour: white.

Shelf life

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.

Application method

Cleaning: Please make sure the surface is absolutely clean before use

Methodology: The thermal grease could be coated on the objects directly or by brush.

Health- and Safety Recommendations

Take the usual labour hygiene into account. Consult label and material safety data sheet for more information.

Remarks

- Please note that the thickness of the thermal grease will affect the efficiency of heat conduction, so please coat moderate quantity on the objects surface., and the thinner, the better.
- During storage, a small amount of silicone oil may precipitate, and this is a normal state, does not affect the use of results. If necessary, should be used after mixing evenly.

Disclaimer: This technical data sheet replaces all previous versions. The directives contained within this documentation are the result of our experiments and experience, and have been submitted in good faith. Because of the diversity of the materials and substrates, in addition to the great number of possible applications that go beyond our control, we cannot accept any responsibility for the results obtained. Further, since the design, quality of the substrate, and processing conditions are beyond our control, no liability under this publication will be accepted. In every case, it's therefore recommended to carry out preliminary experiments. BOSS reserves the right to modify its products, without prior notice.

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