

THERMAL COMPOUND T12

Fill-expedient which carries off heat between the contact surfaces of the semiconductors and radiators

DESCRIPTION

Thermal Compound T12 is a chemically neutral, white, non-transparent silicon paste with good heat conductivity and heat resistance until 200°C. Thermal Compound T12 does not dry up, it is not getting hard is not melting. It is consistency stable at high and low temperatures as well as in storage. Thermal Compound T12 is used as fill-expedient which carries off heat between the contact surfaces of the semiconductors and radiators. At the assembly of semiconductors, like diodes and transistors, and appliance of Thermal Compound T12 the heat isolating air will be replaced by the silicon paste. The heat transition from mounting component to radiator will consequently be improved and through this the efficiency of the mounting component will be increased substantially.

CHARACTERISTICS

- **Silicone-based paste**
- **Heat resistance up to 200°C**
- **High consistency stability**

APPLICATION

Thermal Compound T12 should be applied evenly and thin with a brush or a spatula in both contact surfaces. The residues should be removed.

PHYSICAL PROPERTIES AND DATA

Colour	white, non-transparent
Consistency	like Vaseline
Density @ 25°C	2.3 g/ml
Temperature range	-30°C to +200°C
Bleeding	no bleeding
Fleeting	no fleeting
Heat conductivity	4.185 W/mk

- **The product is not subject to any shelf life.**
- **Transport temperature over a short period -10 to 80°C**
- **Storage temperature should be between 0 to 50°C.**

PACKAGING

Thermal Compound T12 is available in tubes with injection point containing 5g, 35g and 100g as well as in tins containing 250g, 500g, and 1000g.

NOTE

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