

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

The above values are typical and represent no form of specification. The Data Sheet serves for information purposes. Any verbal or written advise is not binding for the company, whether such information originates from the company offices or from a sales representative. This is also in respect of any protection rights of third parties, and does not release the customer from the responsibility of verifying the products of the company for suitability of use for the intended process or purpose. Should any liability on the part of the company arise, the company will only indemnify for loss or damage to the same extent as for defects in quality.