



Brand CALSIL

Market Machinery & Equipment
Product name CALSIL PASTE T30

## 1. Product Description

CALSIL PASTE T30 is a polydimethylsiloxanic silicone fluid containing Zinc Oxide as filler. This paste is has good thermal conductivity properties.

## 2. Key Properties

- Good thermal conductivity properties
- . Good thermal dissipation
- Good consistency from -50 °C to +300 °C
- Chemically inert
- Good dielectric properties

## 3. Applications

- Protection of electrical circuits.
- Production of thermal seals for gauges and sensors.
- Sealing between resistors and metal parts in household electrical appliance.

### Typical Properties (not for sales specifications, please contact us prior to writing sales specs)

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Properties	Units	Values
Chemical composition		Silicone Paste
Colour		white
Minimum Temperature service	${\mathbb C}$	-50
Maximum Temperature service	${\mathbb C}$	+300
Penetration worked at 25 ℃	mm/10	265 - 295
Melting point	${}^{\circ}$	none
Relative density at 25 ℃	kg/m³	2200
Dielectric Constant at 1 kHz (ASTM D 150)		3.5
Dielectric strength kV/mm (ASTM D 419)		14.5
Power Factor 1 kHz (ASTM D 150)		4,9 . 10 <sup>-3</sup>
Volume resistivity (ASTM D 257)	Ω cm	1. 10 <sup>13</sup>
Thermal conductivity	W/mK	0.45

## 4. How to Use

It is recommended to be applied on clean and dry surfaces (degreased if necessary).

CALSIL PASTE T30 could be applied with a brush, with a paint brush, with a spatula or with a paste gun.

# Technical Data Sheet CALSIL PASTE T30



#### 5. Compatibility

Silicone Oils and Phenyl Trimethicone	Compatible
Aliphatic, Aromatic and Chlorinated Solvents	Compatible
Isopropyl Myristate	Compatible
Ethylhexyl Salicylate	Compatible
Mineral Oils	Weak
Organic Oils	Weak
Ethanol	Weak
Propylene Glycol	Insoluble
Water	Insoluble

#### 6. Handling

This document does not contain safety precautions. Before handling this material, please read the Material Safety Data Sheet, check the label on the container, and conform to the safety, physical and hazard guidelines and precautions. The Material Safety Data Sheet is available from your nearest CALDIC office.

#### 7. Storage and Shelf Life

This product should be store in its original unopened containers at a temperature between +15 °C and +30 °C. It can be used within the 60 months following its production date.

#### 8. Packaging

Available in 25 Kg pail, 2 Kg pails and 100 Gr. tubes

#### 9. Restrictions

This ingredient is solely proposed in the above listed applications.

It is not suitable to be used in medical, human injection, pharmaceutical or food applications.

## 10. Limited Warranty PLEASE READ CAREFULLY

- The information herein is offered in good faith. It is believed to be accurate at the time of shipment.
- It should not be used as a substitute for the customer's test, the customer bears the responsibility to ensure that the product matches the intended application is safe and achieves the desired benefits.
- The product warranty is limited to the refund value of the purchase or the replacement only when it is demonstrated that the product is out of the agreed sales specifications.
- CALSIL™ is a registered trademark of CALDIC BV. All rights reserved.

#### For more information, please contact our nearest office

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