

**RHODORSIL® Paste 340**

March 1996

TECHNICAL DATA SHEET  
Cancels and replaces SIL 93 159 3

**Description** **RHODORSIL Paste 340** is a polydimethylsiloxanic oil based silicone paste together with inert fillers.  
This paste is has good thermal conductivity properties.

**Advantages**

- **Good thermal dissipation**
- **Low variation in viscosity over a wide temperature range up to 200°C**
- **Chemically inert**
- **Good dielectric properties**

**Examples of applications**

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

**Characteristics**

**1. Physical properties**

Colour.....white

**N.B.** : *Slight variations in colour may occur but these do not affect the final properties of the product.*

Specific gravity at 25°C..... approx 2.2

Penetration worked 60 strokes, 1/10<sup>e</sup> mm..... 280  
(Standards NF T 6012 - ASTM D 217, DIN 51804)

Penetration unworked, 24h-1/10<sup>e</sup> mm..... 270  
(Standards NF T 6012 - ASTM D 217, DIN 51804)

Bleed after 24 h at 200°C..... < 1.5 %

Evaporation after 24 h at 200°C..... < 1.5 %

**2. Thermal properties**

Maximum continuous operating temperature, °C..... + 200

Minimum continuous operating temperature, °C..... - 40

**N.B.** : *These thermal properties are not restrictive : shorter exposure times, when in peak operating conditions authorise use at higher temperatures.*

Thermal conductivity at 25°C, W/mK.....0.41

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**Characteristics (cont'd)****3. Dielectric properties**

Dielectric strength, kV/mm.....	15
(Standards NF C 26225 - ASTM D 419 - IEC 243)	
Dielectric constant at 1 kHz.....	3.5
(Standards NF C 26230 - ASTM D 150 - IEC 250)	
Power factor 1 kHz.....	$5.10^{-3}$
(Standards NF C 26230 - ASTM D 150 - IEC 250)	
Volume resistivity, $\Omega$ .cm.....	$> 1.10^{13}$
(Standards NF C 26215 - ASTM D 257 - IEC 93)	

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**Working procedure**

It is recommended to apply **RHODORSIL Paste 340** onto clean and dry surfaces (degreased if necessary).

**RHODORSIL Paste 340** is applied with a brush, with a paint brush, with a spatula or with a paste gun.

**RHODORSIL Paste 340** can be diluted in aliphatic or chlorinated solvents to facilitate its application when being applied in thin coats.

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**Packaging**

- 200 g tubes on pallets of 1,600 units
  - 2 kg tubs on pallets of 192 units
  - 50 kg pails on pallets of 10 units
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**Storage and shelf life**

When stored in its original unopened packaging at a temperature between + 2°C and + 50°C, **RHODORSIL Paste 340** must be used within 24 months before the expiry date shown on the packaging. Once this expiry date is past, Rhodia Silicones no longer guarantees the conformity of the product with the sales specifications.

Furthermore, **RHODORSIL Paste 340** should be stored in a cool, dry place.

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**Safety**

Consult the Safety Data Sheet for **RHODORSIL Paste 340**.

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**Warning to users**

The information contained in this document is given in good faith based on our current knowledge. It is only an indication and is in no way binding, particularly as regards infringement of or prejudice to third party rights through the use of our products.

**RHODIA CHIMIE GUARANTEES THAT ITS PRODUCTS COMPLY WITH ITS SALES SPECIFICATIONS.**

This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for a given use.

Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorisations.

Users are requested to check that they are in possession of the latest version of this document and RHODIA CHIMIE is at their disposal to supply any additional information.



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