

RHODORSIL[®] Paste 340

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 application**
- 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^e mm..... 280
(Standards NF T 6012 - ASTM D 217, DIN 51804)

Penetration unworked, 24h-1/10^e 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..... + 250

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

3. Dielectric properties

RHODORSIL® Paste 340

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, Ω .cm..... $> 1.10^{13}$
(Standards NF C 26215 – ASTM D 257 - IEC 93)

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.

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

Storage and shelf-life When stored in its original unopened packaging at a temperature between + 2°C and + 50°C, **RHODORSIL Paste 340** can be used for up to 18 months after its date of manufacture (expiry date). Comply with storage instructions and expiry date marked on the packaging. Past this date, Bluestar Siliconi Italia S.P.A. no longer guarantees that the product meets sales specifications.


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

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

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