

BLUESILTM PAST 340

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

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

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, approx..... 280
(Standards NF T 6012 - ASTM D 217, DIN 51804)

Penetration unworked, 24 h-1/10^e mm, approx.....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

Dielectric strength, kV/mm, approx..... 15
(Standards NF C 26225 - ASTM D 419 - IEC 243)

Dielectric constant at 1 kHz, approx..... 3.5
(Standards NF C 26230 - ASTM D 150 - IEC 250)

Power factor 1 kHz, approx..... 5.10⁻³
(Standards NF C 26230 – ASTM D 150 - IEC 250)

Volume resistivity, Ω.cm.....> 1.10¹³
(Standards NF C 26215 – ASTM D 257 - IEC 93)

BLUESIL™ PAST 340

Processing	<p>It is recommended to apply BLUESIL PAST 340 onto clean and dry surfaces (degreased if necessary).</p> <p>BLUESIL PAST 340 is applied with a brush, with a paint brush, with a spatula or with a paste gun.</p> <p>BLUESIL PAST 340 can be diluted in aliphatic or chlorinated solvents to facilitate its application when being applied in thin coats.</p>
Packaging	<ul style="list-style-type: none"> - 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	<p>When stored in its original unopened packaging at a temperature between + 2°C and + 50°C, BLUESIL PAST 340 can be used for up to 18 months after its date of manufacture (expiry date).</p> <p>Comply with storage instructions and expiry date marked on the packaging. Past this date, Bluestar Silicones no longer guarantees that the product meets sales specifications. Furthermore, BLUESIL PAST 340 should be stored in a cool, dry place.</p>
Safety	Consult the Safety Data Sheet for BLUESIL PAST 340 .

Visit our website www.bluestarsilicones.com

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