

BLUESIL PASTE 340

Description	BLUESIL PASTE 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.
Key benefits	• Good thermal dissipation • Low variation in viscosity over a wide temperature range up to • Chemically inert • Good dielectric properties.

Typical properties

1. Physical properties

Colour *	White
Specific gravity at 25°C, approx.	2.2
Penetration worked 60 strokes, 1/10e mm, approx (Standards NF T 6012 - ASTM D 217, DIN 51804)	280
Penetration unworked , 24 h-1/10e mm, approx (Standards NF T 6012 - ASTM D 217, DIN 51804)	270
Bleed after 24 h at 200°C, %	< 1.5
Evaporation after 24 h at 200°C, %	< 1.5

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

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 , W/mK: 0.41

3. Dielectric properties

Dielectric strength , kV/mm, approx (Standards NF C 26225 - ASTM D 419 - IEC 243)	15
Dielectric constant at 1 kHz, approx (Standards NF C 26230 - ASTM D 150 - IEC 250)	3.5
Power factor 1 kHz, approx (Standards NF C 26230 – ASTM D 150 - IEC 250)	$5 \cdot 10^{-3}$
Volume resistivity , .cm (Standards NF C 26215 – ASTM D 257 - IEC 93)	$> 1 \cdot 10^{13}$

Please note: The typical properties are not intended for use in preparing specifications. Please contact our local Sales Department for assistance in writing specifications.

Instruction of use	It is recommended to apply BLUESIL PASTE 340 onto clean and dry surfaces (degreased if necessary).
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BLUESIL PASTE 340

	BLUESIL PASTE 340 is applied with a brush, with a paint brush, with a spatula or with a paste gun. BLUESIL PASTE 340 can be diluted in aliphatic or chlorinated solvents to facilitate its application when being applied in thin coats.
Regulation	Please consult your local ELKEM SILICONES sales office.
Limitations	Please consult your local ELKEM SILICONES sales office.
Packaging	• BLUESIL PASTE 340 is available in ○ Piece of 2 KG (4.41 LB) ○ Piece of 0.2 KG (0.44 LB) ○ Pail of 25 KG (55.13 LB)
Storage and shelf life	When stored in its original packaging: BLUESIL PASTE 340 may be stored at a temperature below 40°C / 104°F for up to 18 months from its date of manufacturing. Comply with the storage instructions and expiration date marked on the packaging. Beyond this date, Elkem Silicones no longer guarantees that the product meets the sales specifications.
Safety	Please consult the Safety Data Sheet of: BLUESIL PASTE 340

Visit our website www.elkem.com/silicones/

Warning to the users

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