

<b>Description</b>	<b>BLUESIL PASTE 340</b> is a polydimethylsiloxanic oil based silicone paste together with inert fillers. This paste is has good thermal conductivity properties.
<b>Examples of applications</b>	<ul style="list-style-type: none"> <li>• Protection of electrical circuits.</li> <li>• Production of thermal seals for gauges and sensors.</li> <li>• Sealing between resistors and metal parts in household electrical appliance.</li> </ul>
<b>Key benefits</b>	<ul style="list-style-type: none"> <li>• Good thermal dissipation</li> <li>• Low variation in viscosity over a wide temperature range up to</li> <li>• Chemically inert</li> <li>• Good dielectric properties.</li> </ul>

## Typical properties

### 1. Physical properties

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

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

# BLUESIL PASTE 340

Technical Data Sheet n° 762-V3 – 2020/01/06

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

<b>Instruction of use</b>	<p>It is recommended to apply <b>BLUESIL PASTE 340</b> onto clean and dry surfaces (degreased if necessary).</p> <p><b>BLUESIL PASTE 340</b> is applied with a brush, with a paint brush, with a spatula or with a paste gun.</p> <p><b>BLUESIL PASTE 340</b> can be diluted in aliphatic or chlorinated solvents to facilitate its application when being applied in thin coats.</p>
<b>Regulation</b>	Please consult your local ELKEM SILICONES sales office.
<b>Limitations</b>	Please consult your local ELKEM SILICONES sales office.
<b>Packaging</b>	<ul style="list-style-type: none"><li>• BLUESIL PASTE 340 is available in<ul style="list-style-type: none"><li>○ Piece of 2 KG (4.41 LB)</li><li>○ Piece of 0.2 KG (0.44 LB)</li><li>○ Pail of 25 KG (55.13 LB)</li></ul></li></ul>
<b>Storage and shelf life</b>	<p>When stored in its original packaging:</p> <p>BLUESIL PASTE 340 may be stored at a temperature below 40°C / 104°F for up to 18 months from its date of manufacturing.</p> <p>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.</p>
<b>Safety</b>	Please consult the Safety Data Sheet of: BLUESIL PASTE 340

## Warning to the 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. ELKEM SILICONES 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 given use. Determination of the suitability of product for the uses and applications contemplated by users and others shall be the sole responsibility of users. 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 ELKEM SILICONES is at their disposal to supply any additional information.