

**Description** **BLUESIL PASTE 408** is a polydimethylsiloxanic oil based silicone paste together with inert fillers. This paste is particularly adapted to electrical insulation, protection, and generally for small lubricating applications.

**Examples of applications**

- Protection of electrical equipment (terminal boxes, connectors, ignition circuits, cable ends).
- Protection against humidity and conductive dusts.
- Mould release for rubbers and plastics, etc...
- Lubrication of small, slow mechanisms (guide shafts, runners, electrical closing systems, thread, etc) having to operate at extreme temperatures.

**Key benefits**

- Hydrophobic.
- Chemically inert.
- Good dielectric properties.
- Stability of properties over a wide temperature range (–40°C to +200°C).

**Typical properties**

	BLUESIL PASTE 408
Worked penetration ASTM D 217	280 1/10mm
Exudation	
Volatile Content	

## 1. Physical properties

<b>Colour *</b>	Translucent to whitish
<b>Specific gravity at 25 °C</b>	1.01
<b>Penetration worked</b> 60 strokes, 1/10e mm (Standards NF T 6012 - ASTM D 217, DIN 51804)	280
<b>Penetration unworked</b> , 24 h-1/10e mm (Standards NF T 6012 - ASTM D 217, DIN 51804)	270
<b>Bleed after 24 h at 200°C</b>	< 0.5 %
<b>Evaporation after 24 h at 200°C</b>	< 3 %

(\*) Note: 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:** + 200

**Minimum continuous operating temperature, °C:** – 40

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

**Thermal conductivity at , W/mK:** 0.19

# BLUESIL PASTE 408

Technical Data Sheet n° 763-V3 – 2018/10/29

## 3. Dielectric properties

<b>Dielectric strength</b> , kV/mm (Standards NF C 26225 - ASTM D 419 - IEC 243)	> 20
<b>Dielectric constant</b> at 1 kHz (Standards NF C 26230 - ASTM D 150 - IEC 250)	2.5
<b>Power factor</b> 1 kHz (Standards NF C 26230 - ASTM D 150 - IEC 250)	$3.10^{-3}$
<b>Volume resistivity</b> .cm (Standards NF C 26215 - ASTM D 257 - IEC 93)	> $1.10^{13}$

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

<b>Instruction of use</b>	<p>It is recommended to apply <b>BLUESIL PASTE 408</b> onto clean and dry surfaces (degreased if necessary).</p> <p><b>BLUESIL PASTE 408</b> is applied with a brush, with a paint brush, with a spatula or with a paste gun.</p> <p><b>BLUESIL PASTE 408</b> can be diluted in aliphatic or chlorinated solvents to facilitate its application when being applied in thin coats.</p>
<b>Packaging</b>	<ul style="list-style-type: none"><li>• <b>BLUESIL PASTE 408</b> is available in<ul style="list-style-type: none"><li>○ Piece of 0.1 KG (0.22 LB)</li></ul></li></ul>
<b>Storage and shelf life</b>	<p>When stored in its original packaging:</p> <p><b>BLUESIL PASTE 408</b> may be stored at a temperature below 40 °C/ 104 °F for up to 36 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>Regulation</b>	Please consult your local ELKEM SILICONES sales office.
<b>Limitations</b>	Please consult your local ELKEM SILICONES sales office.
<b>Safety</b>	Please consult the Safety Data Sheet of: <b>BLUESIL PASTE 408</b>

Visit our website [www.silicones.elkem.com](http://www.silicones.elkem.com)

### 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.