

BLUESIL PASTE 408

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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Hydrophobic. • Chemically inert. • Good dielectric properties. • Stability of properties over a wide temperature range (–40°C to +200°C).

Typical properties

1. Physical properties

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

3. Dielectric properties

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

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Instruction of use	<p>It is recommended to apply BLUESIL PASTE 408 onto clean and dry surfaces (degreased if necessary).</p> <p>BLUESIL PASTE 408 is applied with a brush, with a paint brush, with a spatula or with a paste gun.</p> <p>BLUESIL PASTE 408 can be diluted in aliphatic or chlorinated solvents to facilitate its application when being applied in thin coats.</p>
Regulation	Please consult your local ELKEM SILICONES sales office.
Limitations	Please consult your local ELKEM SILICONES sales office.
Packaging	<ul style="list-style-type: none">• BLUESIL PASTE 408 is available in<ul style="list-style-type: none">○ Pail of 25 KG (55.13 LB)○ Piece of 0.1 KG (0.22 LB)
Storage and shelf life	<p>When stored in its original packaging:</p> <p>BLUESIL PASTE 408 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>
Safety	Please consult the Safety Data Sheet of: BLUESIL PASTE 408

Visit our website www.elkem.com/silicones/

Warning to the users

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