

**Description**

**BLUESIL VACUUM GRS** is a silicone paste based on polydimethyl siloxane oil and inert fillers. This paste is especially intended for use in industrial and laboratory lubrication applications. It is used to lubricate taps and valves fitted to equipment working under vacuum. It is also widely used as a high viscosity grease for valves and taps.

**Examples of applications**

- Anti-seizing: greasing of metal taps and fittings and of laboratory glassware, when a higher viscosity is required than tap grease.
- Assembly of elastomer seals or O-rings for easy fitting and better protection in installations working under vacuum.
- Protection of moving parts in an environment in which there is a high risk of liquid splashing. The high water repellency of silicone pastes give excellent results in terms of water wash out.

**Key benefits**

- Low vapour tension up to , enabling low residual pressure to be achieved.
- Highly water repellent resists very well to water wash out.
- Chemically inert: non corrosive on metals and no plasticising effect on rubbers or plastics.
- Very little variation in viscosity as a function of temperature.
- Resistance to extreme temperatures of between - and + in continuous use and of over when exposed for short periods.
- Resistance to chemical agents: resists to solvents, resists oxidation and remains unaltered by mineral and vegetal oils.

**Typical properties**

	BLUESIL VACUUM GRS
Worked penetration ASTM D 217	200 1/10mm
Exudation ASTM D 217	
Volatile Content	

Colour.....Translucent to whitish  
Specific gravity at 25°C ..... 1.0  
Apparent viscosity, Pa.s ..... 7.0  
Worked penetration, 1/10th mm, approx. .... 200  
(Standards ASTM D217, NFT 6012, DIN 51804)  
Unworked penetration, after 24 hours, 1/10th mm, approx.....190  
(Standards ASTM D217, NFT 6012, DIN 51804)  
Bleeding after 24 h at 200 °C, % ..... < 0.5  
Evaporation after 24 h at 200 °C, % ..... < 2  
Operating temperature range, °C .....- 40 to + 200

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 that **BLUESIL VACUUM GRS** be applied to clean dry surfaces. It may be applied using a brush, paint brush, spatula or grease gun.

# BLUESIL VACUUM GRS

Technical Data Sheet n° 756-V2 – 2018/10/29

When applying a thin coat, it is possible to dilute the product in an aliphatic, aromatic or chlorinated solvent.

Equipment may be cleaned using the same solvents.

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**Packaging**

- BLUESIL VACUUM GRS is available in
  - Piece of 1 KG (2.21 LB)
  - Drum of 25 KG (55.13 LB)
  - Piece of 0.1 KG (0.22 LB)

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**Storage and shelf life**

When stored in its original packaging:

BLUESIL VACUUM GRS may be stored at a temperature below 40 °C/ 104 °F for up to 36 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.

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**Regulation**

Please consult your local ELKEM SILICONES sales office.

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**Limitations**

Please consult your local ELKEM SILICONES sales office.

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**Safety**

Please consult the Safety Data Sheet of:  
BLUESIL VACUUM GRS

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

**Warning to the users**

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