

**Description** **BLUESIL TAP GRS** is a silicone paste based on polydimethyl siloxane oil and inert fillers. This paste is especially intended for use in industrial lubrication applications. It is used in industry and in laboratories to grease taps and valves that operate at very high or low temperatures or that are used with water or corrosive chemicals.

- Examples of applications**
- Anti-seizing: greasing of metal taps and fittings and of laboratory glassware.
  - Greasing of slow or low speed coefficient mechanisms, in very humid or corrosive atmospheres.
  - Assembly of elastomer seals O-rings for easy fitting and better protection.
  - 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**
- Highly water repellent resists very well to water wash out.
  - 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.
  - Chemically inert: non corrosive on metals and no plasticising effect on rubbers or plastics.
  - Resistance to chemical agents: resists to solvents, remains unaltered by mineral and vegetal oils, resists oxidation and does not gum up.

**Typical properties**

	BLUESIL TAP GRS
Worked penetration ASTM D 217	220 1/10mm
Volatile Content MIL-S-8660C	< 2 %
Exudation MIL-S-8660C	< 5 %
Rested penetration ASTM D 217	205 1/10mm

Colour.....Translucent to whitish  
 Specific gravity at 25°C ..... 1.0  
 Apparent viscosity, Pa.s ..... 1.5  
 Worked penetration, 1/10th mm, approx. .... 220  
 (Standards ASTM D217, NFT 6012, DIN 51804)  
 Unworked penetration, after 24 hours, 1/10th mm, approx..... 200  
 (Standards ASTM D217, NFT 6012, DIN 51804)  
 Bleeding after 24 h at 200 °C, % ..... < 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 TAP GRS** be applied to clean dry surfaces. It may be applied using a brush, paint brush, spatula or grease gun.

# BLUESIL TAP GRS

Technical Data Sheet n° 755-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 TAP 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 TAP 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 TAP 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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