

BLUESILTM VACUUM GRS

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 application**
- 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.

- Advantages**
- **Low vapour tension** up to 200°C, 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 - 40 °C and + 200 °C in continuous use and of over 200 °C when exposed for short periods.
 - **Resistance to chemical agents: resists to** solvents, resists oxidation and remains unaltered by mineral and vegetal oils.

Characteristics

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

Working procedure 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.
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.

BLUESIL™ VACUUM GRS

Packaging

- 100 g tubes, 1,600 units per pallet.
- 1 kg tins, 192 units per pallet.
- 25 kg pails, 10 units per pallet.

Storage and shelf-life

When stored in its original unopened packaging, at a temperature between -20°C and +50°C, **BLUESIL VACUUM GRS** must be used within 36 months of the manufacture date shown on the packaging.

Beyond this date, Bluestar Silicones no longer guarantees the conformity of the product with the sales specifications.

We recommend that **BLUESIL VACUUM GRS** be stored in a cool, dry place.

Safety Consult the Safety Data Sheet **BLUESIL VACUUM GRS**.

Visit our website www.bluestarsilicones.com

 **EUROPE**

Bluestar Silicones France
 21 Avenue Georges Pompidou
 F69486 Lyon Cedex 03
 FRANCE
 Tel. (33) 4 72 13 19 00
 Fax (33) 4 72 13 19 88

 **NORTH AMERICA**

Bluestar Silicones USA
 2 Tower Center Boulevard
 Suite 1601
 East Brunswick, NJ 08816-1100
 United States
 Tel. (1) 732 227-2060
 Fax. (1) 732 249-7000

 **LATIN AMERICA**

Bluestar Silicones Brazil Ltda.
 Av. Maria Coelho Aguiar, 215
 Bloco G – 1ª andar
 05804-902-Sao Paulo – SP-
 Brazil
 Tel. (55) 11 37477887

 **ASIA PACIFIC**

Bluestar Silicones Hong Kong
 Trading Co. Ltd
 29th Floor, 88 Hing Fat Street
 Causeway Bay
 Hong Kong
 Tel. (852) 3106 8200
 Fax (852) 2979 0241

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