

BLUESIL GRS 55 NG

Description **BLUESIL GRS 55 NG** consists of a silicone fluid thickened with a lithium soap. It is especially designed for dynamic lubrication between rubber and metal in pneumatic systems.

Its formulation allows a slight swelling of the rubber, that ensures very good tightness between rubber and metal.

Examples of applications

- Dynamic lubrication between rubber and metallic parts in pneumatic system
- Lubrication of toroidal joints and seals

Advantages

- Wide service temperature range
- Good corrosion protection
- High oxidation resistance
- Compatible with many plastics and elastomers.

Characteristics

<i>Properties</i>	Bluesil GRS 55 NG
Composition	Silicone oil and lithium soap
Color	Off-white
Specific gravity at 20 °C, approx	0,96
Worked penetration, (1/10e mm)	290
Extremes of service temperature (°C) (approx.)	-65 à +175
Drop point (°C), approx	220
Low temperature torque testat -65°C	
Initial break-away torque, (Nm)	325x10 ⁻³
Torque after 20 minute running time, (Nm)	35x10 ⁻³
Oxidation resistance, pressure drop 100h, 99°C, (bar)	0,1
Bleed, 24h at 150°C, (%)	3.0
Evaporation, 24h at 150°C, (%)	1,4
Water washout resistance, (%)	4,2

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Instructions of use Surfaces to be treated with **BLUESIL GRS 55 NG** should be carefully dusted, cleaned and degreased before application.

BLUESIL GRS 55 NG can be applied with tap or brush.

Remarks:

- BLUESIL GRS 55 NG should not be applied to surfaces which are to be painted.
- BLUESIL GRS 55 NG is not recommended for the lubrication of taps and valves for oxygen systems. This is because silicones in contact with oxygen under pressure may cause explosions.
- Do not mix with other greases
- We recommend proceeding to some compatibility tests if contacts with elastomers or plastics are expected.

Packaging **BLUESIL GRS 55 NG** is supplied in 100 g tubes or 1kg box.

Storage and shelf life When stored in their original packaging at a temperature of between +2°C and +40°C, **BLUESIL GRS 55 NG** may be stored for up to 60 months from their date of manufacture.

Comply with the storage instructions and expiry date marked on the packaging. Beyond this date, Elkem Silicones no longer guarantees that the products meet the sales specifications.

Safety Consult the Safety Data Sheets for **BLUESIL GRS 55 NG**

Visit our website WWW.SILICONES.ELKEM.COM

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