

RHODORSIL® GREASE 55

Description **RHODORSIL GREASE 55** 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.
RHODORSIL GREASE 55 is designed to meet the requirements of MIL G-4343 C and OTAN G 392.

- Advantages**
- Résistance to heat: slight lowering of viscosity with increasing temperature but does not decompose and gives a long service life.
 - Very little change in consistency with temperature: does not stiffen when cold, does not thin out at high temperatures.
 - Very good stability: especially in contact with water and most corrosive media.

- Applications**
- Dynamic lubrication in aeronautical pneumatic systems.
 - Lubrication of toroidal joints and seals in the car industry.
 - Lubrication of rings on metallic shafts.

Characteristics

Composition.....	silicone oil and lithium soap
Colour.....	Light brown
Specific gravity at 25°C, approx.....	1.0
Penetration, worked (ASTM D 217-48) 1/10 ^e mm,.....	280 ± 20
Penetration not worked during 24 hours 1/10 ^e mm.....	270
Bleed, after 24 hours at 100°C, per cent ; maximum ⁽¹⁾	5
Volatiles after 24 hours at 100°C, per cent ; maximum ⁽¹⁾	2.5
Minimum drop point (°C), approx..... (ASTM D 566-42)	160
Extremes of service temperature (°C) (approx.).....	-65 to +175

RHODORSIL GREASE 55 complies with the following specifications : MIL G 4343 C and OTAN G 392

(1) *determined with equipment described in specification MIL-S-8660 B*

Processing Surfaces to be treated with **RHODORSIL GREASE 55** should be carefully dusted, cleaned and degreased before application.

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RHODORSIL GREASE 55 can be applied with tap or brush.

REMARKS

- 1- **RHODORSIL GREASE 55** should not be applied to surfaces which are to be painted.
 - 2- **RHODORSIL GREASE 55** 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.
 - 3- Do not mix with other greases
- We recommend to proceed to some compatibility tests if contacts with rubbers or plastics are expected.

Packaging

RHODORSIL GREASE 55 is supplied in 100 g tubes, 1 kg cans and 25 kg drums.

Storage and shelf-life

When stored in its original unopened packaging at a normal temperature between + 2 and + 40° C, **RHODORSIL GREASE 55** must be used within 18 months of the manufacture date shown on the packaging.
Beyond this date, Bluestar Silicones no longer guarantees that the product meets the sales specifications.
Furthermore, we recommend that **RHODORSIL GREASE 55** be stored in a cool, dry place.

Safety

Consult the Safety Data Sheet **RHODORSIL GREASE 55**.

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