



Technical Data Sheet

SILICONE GREASE (SS GR 500)

APPLICATIONS

- Seal and lubricate chemical processing equipment
- Lubricate plug valves, control valves, flow meter bearings, ceramic plug cocks and fire extinguisher valves
- Maintain vacuum and pressure systems
- Lubricate water-treating equipment
- Lubricate synthetic rubber gaskets and seals in high-temperature applications
- Lubricate laboratory equipment
- Lubricate O-rings on binoculars and telescopes
- Help prevent fogging of delicate lenses

FEATURES

- Low volatility to hold deep Vacuums
- Inert in Nature
- Easy to use
- Resists oxidation
- Non melting
- Good thermal stability

PACKAGING

1 Kg, 5 Kg & 30 Kg

HDPE Carboys

DESCRIPTION

Supreme Silicones' SS GR 500 High-Vacuum Grease is a stiff, non-melting silicone lubricating material that maintains its consistency from -40 to 225°C. SS GR 500 High-Vacuum Grease is recommended for vacuums reaching between 1 x 10⁻⁵ and 1 x 10⁻⁶ mm Hg. It is recommended that the grease be preconditioned under vacuum and temperature until these limits are reached.

TYPICAL PROPERTIES

Property	Unit	Value
Appearance		Translucent white
Service Temperature Range ¹	°C	-40 to 225
Volatile Matter	%	<1
Specific Gravity at 25°C g/cc		1.0 – 1.03

Specification Writers: These values are not intended for use in preparing specifications.

PERFORMANCE DATA: Chemical Resistance

SS GR 500 resists vegetable and mineral oils and common gases. It also resists aqueous solutions of inorganic salts and dilute acids and alkalis. Securing or including complete information on variables such as pressure, flow velocity, re lubrication schedules and valve construction is impractical. For this reason, the suitability of SS GR 500 Grease should always be tested before the material is adopted for regular use

LIMITATIONS

These products are neither tested nor represented as suitable for medical or pharmaceutical uses.

USABLE LIFE AND STORAGE

When stored in the original unopened containers, SS GR 500 Grease has a usable life of 24 months from the date of manufacturing

HANDLING PRECAUTIONS

Product safety information required for safe use is not included. Before handling, read Material Safety Data Sheets (MSDS) and container labels for safe use, physical and health hazard information.

The information provided to the customers in this data sheet is intended as a guideline and is provided in good faith. Changes may occur from system to system as methods of use and conditions are beyond our control, hence **users are requested to evaluate the recommendations before actual application to get desired performance.** Supreme Silicone's sole warranty is that the product will meet the Supreme Silicone's sales specifications in effect at the time of shipment. Supreme Silicones specifically disclaims any other express or implied warranty of fitness. Supreme Silicones disclaims liability for any incidental or consequential damages. Suggestions of use shall not be taken as inducements to infringe any patent.