

SYG-2700 SILICON GREASE

Product Description

SYG-2700 is high performance silicone grease based on special heat resistant ingredients and additive package. Grease is suitable for long term or lifetime lubrication of plain, ball and roller bearing operating at normal to medium loads under high temperature conditions. It is non-ageing and structurally very suitable grease in NLGI consistency No. 2 range it is resistant to hot and cold water and mild presence of alkaline or acid atmosphere. It also protects against corrosion and wear is pump able through centralized lubrication systems. It is pressure resistant and the NS-G version has very good load carrying capacity. Since it is not conductive, it does not increase electrical current flow and is often applied to electrical connectors that contain rubber gaskets as a means of providing a non-conductive sealer and lubricant for the connector's rubber parts. It is completely EPDM-compatible.

SYG-2700 is capable of withstanding high temperature in the range of 220°C on continuous operation. It performs excellently at Dm.n factors up to 100,000 and satisfactorily at Dm.n factors up to 200,000.

APPLICATIONS

SYG-2700 is recommended for all bearings which have to be operated under high thermal stresses such as in paint curing ovens. Also for hot air blower fan bearings in textile, plastics, wood working and food industries. They work well in steam-heated calendar and drying cylinder bearing with normal relubrication intervals in paper, textile and plastic industries. For bearings working at temperatures up to 150°C and normal operating conditions, it can be used for life time lubrication.

Also recommended for bearings operating in slightly acidic or alkaline atmosphere e.g. in textile machinery, tanneries, phosphatizing equipment or immersion baths which generate aggressive fumes

Typical Properties

SYG-2700	
Color	Translucent White
Base Oil	Polydimethylsiloxane
Drop Point °C ASTM D 566	240
NLGI Grade	2
Worked Penetration 60/60 strokesASTM D217	265-295
Water Resistant up to 140°C ,DIN 51807	Completely Resistant
EMCOR Antirust test Rating IP 220	0
Four Ball weld Load, Kg ASTM D 2596	260
Temperature °C	-50 to 220
Evaporation Loss, DIN 58 397- 1,30h,200 °C,%in Weight	<2.5

Available Packs: -

- 1. 50gm, 100gm, 200gm (Tubes)**
- 2. 1, 5, 18, 50 and 180 Kg.**

Shelf Life – 36 Months from the manufacturing.

Remarks:

**Bearing should only be filled half way for optimum results. Before initial filling, thoroughly remove the left overgrease and the clean the bearing.
Do not mix with other lubricating grease**

*All related specifications are meets or exceeds.

Due to continual product research and development, the information contained herein is subject to change without notification.

Typical Properties may vary slightly. The Material Safety Data Sheet (MSDS) are available upon request through our sales office.

1. PRODUCT AND COMPANY IDENTIFICATION

Product Silicone Grease
Product Name SYG 2700/Silicone Grease
Supplier Petrel plus Inc
**One World Center, Tower One,
9TH floor, Senapati Bapat Marg
Lower parel** Mumbai-400064, Maharashtra.
Call # +91 22 6216 7072
(Monday to Friday)
Cell # +91 93522 25457
marketing@petrelplus.com
www.petrelplus.com

2. COMPOSITION

- Polydimethylsiloxane, Fumed Silica

3. HAZARDS IDENTIFICATION

Not classified as hazardous. Other

4. FIRST-AID MEASURES

RESPIRATORY SYSTEM Remove to fresh air and get medical attention.

INGESTION Do not induce vomiting. Wash mouth out with water and obtain medical attention.

EYES Rinse immediately with plenty of water for at least 10 minutes. Get Medical Attention.

SKIN Remove contaminated clothing. Wash affected area with soap and water, get medical attention.

5. FIRE-FIGHTING METHODS

Foam, carbon dioxide or dry power

6. ACCIDENTAL RELEASE MEASURE

Contain and absorb in sand or earth. Ensure no material enters drains or water courses. Dispose of as solid waste in accordance with the relevant waste disposal regulations.

7. STORAGE AND HANDLING

Store in delivery packs in a cool dry place

HANDLING

At ambient temperatures wear gloves overalls and eye protection. The work area should be adequately ventilated. No eating drinking or smoking in the work area.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Standard: The substance with exposure limit is: Notation 1:

PERSONAL PROTECTION

Respiratory Protection:

Type of Cartridge (if Applicable):

Eye Protection: Safety Spectacles

Hand Protection: Gloves butyl or nitrile rubber

Industrial Hygiene: No eating drinking or smoking in the work area Ventilation : At room temperature handle in a wellventilated area. Use exhaust ventilation if exposure to flume or aerosol can occur.

PROTECTION AGAINST FIRE AND EXPLOSION Combustible but not readily ignited. No explosion hazard.

EC SAFETY PHRASES Not classified as hazardous.

9. TYPICAL PROPERTIES :

Colour:	Translucent White
Drop point °C:	240
Temperature °C:	-50 to 220
NLGI Grade	2
Base Oil:	Polydimethylsiloxane
Worked Penetration 60/60 strokes:	265-295
Water Resistant up to 140°C:	Completely Resistant

10. STABILITY AND REACTIVITY

HAZARDOUS REACTIONS

Comments

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition produces noxious fumes.

11. TOXICOLOGICAL INFORMATION

LD50 Acute Oral Toxicity: > 5000: mg/Kg:Rat

LC50 Acute Inhalation:: mg/1 :

Eye Irritation: No: Rabbit

Skin Irritation: No.: Rabbit

Sensation: No:

Further Information:

12. ECOLOGICAL INFORMATION

LC50 (96 Hour): mg/1

EC50 (24 Hour): mg/1

Biodegradability (Coupled units):

13. DISPOSAL CONSIDERATIONS

Solid material should be incinerated. Material absorbed on sand should be disposed of as solid waste.

14. TRANSPORT INFOMRATION

IMDG No.: Not classified

Packing Groups: IATA-DGR

Class No.: Not classified TREMCARD: Not classified

RID/ADR Class No.: Not classified Other Information

15. REGULATORY INFORMATION

Classification and labeling according to EC Directives 67/548

Not classified as hazardous. EC Risk Phrases Not classified as hazardous. Other Hazardous EC Safety Phrases Not classified as hazardous

16. OTHER INFORMATION

PRODUCT SAFETY

For safety reasons, it is IMPERATIVE that customer: - Ensure that all those within their control who use the products are supplied with all relevant information contained within the Material Safety Data Sheet and Technical Bulletin concerning the applications for which the product is designed and any instructions or warning