

SYG-2700/PLASTIC GREASE LITHIUM COMPLEX SOAP-BASED GREASE FOR PLASTIC

Product Description

SYG-2700/PLASTIC GREASE consists of a Silicone Lubricating fluid thickened with a special complex Lithium soap. This grease is primarily designed for use in ball bearings operation under moderate to heavy loads, water resistant and exhibits excellent high and low temperature resistance (-50 ° C to 220° C). This grease will be available in three consistencies (NLGI-1, 2 &3).

Applications

SYG-2700/ PLASTIC GREASE is used to lubricate ball bearings and roller bearings and other metal surfaces operation at -50° C to 220° C range. Suitable for lubricating control cables, such as clutch cables, gear shift cables, hand brake cables and others. The grease can be recommended for use in the following places,

- Kilm pre-heater fans, Oven fans, Radiator cooling fans
- Textile hot Stenters, Slashers and Driers
- Conveyor System
- Timer Motor bearings
- Plastic bearings and gears

Benefits

- Excellent resistant to oxidation
- Water resistance
- Plastic Lubricity
- Good shear stability
- Compatibility with many plastics
- Excellent anti wear characteristic
- Broad service temperature range
- Low oil Evaporation
- Good extreme pressure characteristics
- Low-temperature characteristics
- Does not attract plastics

Typical Properties

SYG-2700/Plastic Grease	NLGI- 1	NLGI-2	NLGI-3
Appearance	White	White	White
Texture	Buttery	Buttery	Buttery
Composition	Silicon oil, Lithium complex, Plastic additives	Silicon oil, Lithium complex, Plastic additives	Silicon oil, Lithium complex, Plastic additives
Penetration (ASTM 60 x Worked)	290-330	240-280	190-230
Dropping Point, °C	240	240	240
Service Temperature, °C	-50 to 220	-50 to 220	-50 to 220
Heat Stability point, °C	3 Max.	3 Max.	3 Max.
Evaporation less % @ 150/24 hours	2 Max.	2 Max.	2 Max.
Water resistance test (as per ASTM D 1264) % Loss	5 Max.	5 Max.	5 Max.
Action on Plastic	Nil	Nil	Nil
Corrosion test as per I.P. 220/1963 (EMCOR RUST TEST)	Pass	Pass	Pass
Oxidation stability @ 212°C Per 500 hrs.			
Drop in pressure in LBS/SQ. Inch	5 Max.	5 Max.	5 Max.
Oil evaporation, 24 hours, 150°C	1.4	1.4	1.4
Oil bleed 24 hours, 150°C	1.1	1.1	1.1
Low temperature torque test at -40°C, 10 ^{a3} Nm	35	35	35
Torque after 20 minutes running time	18	18	18
Coefficient of friction	0.02	0.02	0.02

Available Packs: 1,18, 50 and 180 Kg.

Shelf Life – 36 Months from the Manufacturing month.

* 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.

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1. PRODUCT AND COMPANY IDENTIFICATION

Product SYG-2700/ PLASTIC GREASE
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2. COMPOSITION

No harmful substances. Composition of high-performance Silicone lubricating fluid, Lithium complex thickener and Proprietary additives.

3. HAZARDS IDENTIFICATION

Not classified as Hazardous.

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 powder.

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

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.

Storage - Store in delivery packs in a cool & dry place.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Standard:

The substance with exposure limit is: Notation 1: Exposure Standard: 2nd substance with exposure limit is: Notation 2:

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 well-ventilated 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

Drop Point °C - 240
Thickener - Lithium Complex
Color - White
NLGI - 1, 2 and 3

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 INFORMATION

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.

DISCLAIMER/USER'S RESPONSIBILITY: PETRELPLUS INC. Provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriate use.