



SYG-990/FGPTFE (EXTRA)

SILICONE WITH TEFLON BASE HEAVY DUTY FOOD GRADE GREASE

Product Description

SYG-990/FGPTFE (Extra) Grease consists of a Silicone Lubricating fluid thickened with a special complex Lithium soap and PTFE. This grease is primarily designed for use in EPDM seals & fittings, valves and O-rings in the food and beverage industry and ball bearings operation under moderate to heavy loads and at temperature (- 50 ° C to 220° C). This grease will be available in three consistencies (light, medium and heavy) and can be applied by spatula, grease gun.

SYG-990 FGPTFE (Extra) is approved by NSF International as H1 grade Lubricant. The product meets requirements of USDA H1* 21 CFR. (Registered by NSF (Class H1) for use where there is potential for incidental contact with food. These products meet the former guidelines (1998) of the US Department of Agriculture Food Safety and Inspection Service (USDA FSIS) for H1 use (lubricant with incidental food contact) and listed in Miscellaneous Publication No 1419 "List of Proprietary Substances and Nonfood Compounds". Product contains only substances permitted under US 21 CFR 178.3570, 178.3620 and 182 for use in lubricants with incidental food contact.)

Applications

- Maximum temperature is 180 °C, with a peak temperature up to 200 °C
- Bearings, slides, chains, general-lubrication Medium-high speed bearings.
- Lubrication of plastics and plastics to metal contact.
- Oven bearing lubrication.
- Applications which require boundary lubrication with PTFE.
- Compatible with most rubbers and plastics and is a superior lubricant for "O" rings.

Benefits

- Excellent EPDM compatibility.
- Free of harmful mineral hydrocarbon oils.
- Excellent anti wear characteristic.
- Good E.P. characteristic.
- Does not attract plastics.
- Has resistance to steam and evaporation.
- Long life in moisture and corrosive atmosphere.
- Possess low torque value.

Recommended Usage-

- Lubrication of seals and fittings in the food and beverage industries.
- Kiln pre-heater fans, Oven fans, Radiator cooling fans.
- Textile hot Stenters, Slashers and Driers.
- Conveyor Systems.
- Timer Motor bearings.
- Plastic bearings and gears.

Remarks

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

PETRELPLUS INC.

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Typical Properties

Properties	1	2	3
Color	Off white	Off white	Off white
Texture	Buttery	Buttery	Buttery
Thickener	Silica	Silica	Silica
Base Oil Type	PAO+PIB	PAO+PIB	PAO+PIB
Base oil viscosity @40°C,cSt	320	320	320
Penetration (ASTM 60 xWorked)	290-330	240-280	190-230
Dropping Point (in deg.C)	300	300	300
Heat Stability at 150 deg.30/hrs.	3 max.	3 max.	3 max.
Water Resistance test (ASTMD1264) % Loss	5 max.	5 max.	5 max.
4-ball wear test Welding load, min, kg	400	400	400
Scar diameter 1h/40 kg, max, mm	0,6	0,6	0,6
Water Washout @90°Cmax	1	1	1
Evaporation less % @150/24 hrs.	2 max.	2 max.	2 max.
Corrosion test as per I.P.220/1963 (EMCOR RUST TEST)	Pass	Pass	Pass
Oxidation Stability @100°C, kg/m ² (ASTM D942)	0.5	0.5	0.5
Drop in pressure in LBS/SQ. Inch.	5 max.	5 max.	5 max.
Oil Separation @40°C max, %	3	3	3
Dynamic viscosity @ 25°C, mPas	2.800-4.500	2.800-4.500	2.800-4.500
Working temperature range, °C	-40-180	-40-180	-40-180

Available Packs: 1, 5, 18, 50, 180 Kg.

Shelf Life – 36 Months from the manufacturing month.

*All related specifications meet or exceed.

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 SYG 990/ FGPTFE (EXTRA)
Supplier PETRELPLUS INC

One World Center, Tower One, 9th Floor, Senapati Bapat Marg, Lower Parel, Mumbai-400013, Maharashtra.
Call # +91 22 6216 7072
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2. COMPOSITION

Blend of Synthetic base oil, Silica and various performance-based 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 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.

7. 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

Properties	1	2	3
Color	Off white	Off white	Off white
Texture	Buttery	Buttery	Buttery
Thickener	Silica	Silica	Silica
Base Oil Type	PAO+PIB	PAO+PIB	PAO+PIB
Base oil viscosity @40°C, cSt	320	320	320

10. STABILITY AND REACTIVITY

Stability - Stable
 Conditions to avoid - Excessive temperatures
 Materials to avoid - Strong oxidizers
 Hazardous decomposition products - Oxides of carbon and nitrogen

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.