

SYG-555/ PFPE PTFE Grease
OXYGEN COMPATIBLE GREASE

Product Description

SYG555 PFPE PTFE Grease is long-lasting, white buttery greases which are nonreactive, nonflammable, and safe in chemical and oxygen service. It only contains carbon, oxygen and fluorine, but no hydrogen or silicone. It will not burn or support combustion. It is ideal grease for vacuum parts which are exposed to air such as rods in vacuum loading locks, vacuum door seals, moving aperture holders and valves. It does not degrade in contact with air, does not contain any silicone and is basically chemically inert. SYG 555 PFPE PTFE Grease consists of perfluoropolyether (PFPE) fluorinated synthetic oil and poly tetrafluoroethylene(PTFE).

Application

- Grease lubrication offriction and rolling bearings in the high-temperature range.
- Application, for example at tunnel kiln cars, baking, burn-in and drying furnaces, hot gas units, reaction vessels, boiler plants, roller and convey or rollers in continuous furnaces, etc.
- Useat bearing points under influence of chemicals/fuel.

Benefits

- Provides maximum water and steam resistance.
- Extra ordinary resistance to chemicals, for example to solvents, for example benzene, benzol, acetone, trichloroethylene and against inorganic acids, such as sulphuric acid, hydrochloric acid and nitric acid as well as stearic acids, alcohols and halogens.
- Excellent plastic and elastomer compatibility.
- For long-term lubrication of lubrication points subjected to high pressure upto 300°C.
- Broad range of applications above the temperature limits of other lubricating greases.
- Reduced maintenance and lubricant costs due to possible life time lubrication.
- Oxygen Compatible grease hence safe in Oxygen Service.

Typical Properties

PROPERTIES	Value
Colour	White
Thickener	PTFE
Base Oil	perfluoropolyether(PF PE)
NLGI	1.5
Drop Point	280°C
Viscosity ofbaseoilat40°C	150 mm ² /s
Viscosityofbaseoilat100 °C	17mm ² /s
Service Temperature	-32to288°C

Available Packs: 20, 50,210Ltr.

Shelf Life – 36 Months from the Manufacturing month

*All related specifications are meet so rexceeds.

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 Datasheet (MSDS)area available upon request through our sales office.

1. PRODUCT AND COMPANY

IDENTIFICATION
Product SYG 555 PFPE PTFE Grease
Supplier PETRELPLUSINC.
 One World Center,
 Tower One, 9th Floor,
 Senapati Bapat Marg,
 Lower Parel,
 Mumbai-400013, Maharashtra.
 Call# +912262167072
 (Monday to Friday)
 Cell# +9193522 25457
marketing@petrelplus.com
www.petrelplus.com

2. COMPOSITION

Perfluoropolyether	CAS-No.: 69991-67-9	70 – 80
Polytetrafluoroethylene	CAS-No.: 9002-84-0	20 – 30

3. HAZARDS IDENTIFICATION

Adverse physico-chemical, human health and environment effects

To our knowledge, this product does not present any particular risk; provide it in accordance with good occupational hygiene and safety practice.

4. FIRST-AID MEASURES

Inhalation	- Remove person to fresh air and keep comfortable for breathing.
Ingestion	- Call a poison center or a doctor if you feel unwell.
Skin Contact	- Immediately flush skin with plenty of water. Eye
Contact	- Rinse eyes with water as a precaution

5. FIRE-FIGHTING METHODS

Extinguishing media

Use Water spray. Dry powder. Foam

Protection during fire fighting

Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Hazardous decomposition products in case of fire

Toxic fumes may be released.

6. ACCIDENTAL RELEASE MEASURE

Personal protection	- Adequate ventilation, do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Environmental precautions	- Avoid release to the environment.
Clean up method	- Mechanical recovery of the product.

7. STORAGE AND HANDLING

Handling	- Ensure good ventilation of the work station. Wear personal protective equipment
Storage	- Store in a well-ventilated place. Keep cool
Hygiene measures	- Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Appropriate engineering controls	- Ensure good ventilation of the work station.
Respiratory protection	- In case of insufficient ventilation, wear suitable respiratory equipment
Hand protection	- Protective gloves
Eye protection	- Safety glasses

9. TYPICAL PROPERTIES

Physical state	- Solid
Colour	- white
Density	- 1.9 kg/l ASTM D1298
Drop Point	- 280°C

Material Safety Data Sheet

10. STABILITY AND REACTIVITY

Stable under normal conditions.

The product is non-reactive under normal conditions of use, storage and transport.

11. TOXICOLOGICAL INFORMATION

Acute toxicity (oral) - Not classified

Acute toxicity (dermal) - Not classified

Acute toxicity (inhalation) - Not classified

Skin contact - Slightly irritant but not relevant for classification

Eye contact - Slightly irritant but not relevant for classification

12. ECOLOGICAL INFORMATION

The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. Hazardous to the aquatic environment, short-term (acute) - Not classified

Hazardous to the aquatic environment, long-term (chronic) - Not classified

13. DISPOSAL CONSIDERATIONS

Disposal must be done according to official regulations.

14. TRANSPORT INFORMATION

CPL - Not applicable

IMO - Not applicable

15. REGULATORY INFORMATION

Symbol(s) - Not applicable

Phrase(s) - Not applicable

Phrase(s) - Not applicable

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 warnings.