

SYG 556 PFPE Grease Oxygen Compatible Grease

Product Description

SYG 556 PFPE Grease is long-lasting, white buttery greases which are nonreactive, nonflammable, and safe in chemical and oxygen service. Perfluoropolyethers(PFPE) is a special kind of perfluorinated polymer compound, 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. It has good physical and chemical properties like: high temperature resistance, anti-oxidation, non-flammable, non-volatile, low pour point, low surface tension, high dielectric, good lubricating property, chemical inertness, bio-inert, and etc.

- 1) Chemical inertness: PFPE does not react with most corrosive chemical agents like inorganic acids, inorganic bases, organic acids, organic bases, halogens and oxidizing agents. So it has very strong chemical inertness.
- 2) Consistence: PFPE has good consistence with many materials like: fuel, plastic, rubber, metal, coating, and etc. Therefore, it has many extensive applications.
- 3) Non-flammability: compare with other lubricants, it is more suitable for high temperature and the harsh working conditions.
- 4) Di-electrical property: PFPE has good di-electrical property, high dielectric strength, high resistivity, and low dielectric constant.
- 5) Physiological inert: PFPE has no toxicity to the organs of the human body, through oral test and skin contact experiment to the animals, the data shows PFPE has low toxicity and has no bad effects.
- 6) Low volatility: PFPE has lower vapor pressure than hydrocarbon lubricants with the same viscosity. The low volatilization ensures longer service time of the lubricants.

Features and Benefits:

- Oxygen Compatible Grease
- Maximum water and steam resistance
- Extraordinary 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 up to 300°C.
- Broad range of applications above the temperature limits of other lubricating greases.
- Reduced maintenance and lubricant costs due to possible lifetime lubrication.

Applications:

- Grease lubrication of friction 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 conveyor rollers in continuous furnaces, etc.
- Use at bearing influence of points under chemicals/fuel.

Typical Properties:

PROPERTIES	VALUE
Colour	White
Thickener	PTFE
Base Oil	perfluoropolyether (PFPE)
NLGI	2
Penetration @ 25 oC, x 0,1 mm	265-295
Drop Point	None
Viscosity of base oil at 40 ° C	510 mm ² /s
Viscosity of base oil at 100 ° C	47 mm ² /s
Service Temperature	-25 to 425°C

Available pack:

- 50 gm, 100 gm and 200 gm tube
- 1, 5 and 18 kg pail
- 180 kg barrel

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.

*All related specifications are meets or exceeds.

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