



# PFPE 150

## ULTRA STABLE OXYGEN COMPATIBLE GREASE

### DESCRIPTION

PFPE Grease is a hydrocarbon-free grease that cannot be oxidised and is chemically far more inert than hydrocarbon or silicone greases. This makes it the only suitable grease for use in contact with Oxygen, Chlorine, other oxidants, aggressive chemicals and powerful solvents. It will outlive conventional greases in arduous applications.

PFPE 150 Grease also outperform all other grease types in terms of corrosion resistance, non-toxicity, non-flammability, compatibility and electrical safety.

PFPE 150 has an ISO 150 base fluid for low to medium temperature applications and medium speed bearings.

### ADVANTAGES

- Compatible with oxygen, chlorine and other oxidisers
- Unmatched chemical and solvent resistance
- Excellent temperature range of -35°C to 260°C
- Excellent electrical resistance
- Totally compatible with metal, plastic, elastomers and rubber
- Withstands radioactivity
- Good base fluid viscosity index
- Non-flammable
- Exceptionally low evaporation loss
- Excellent water washout resistance
- Good low and high temperature wear properties
- Environmentally safe and non-toxic

### APPLICATIONS

PFPE 150 GREASE can be used in demanding applications in the chemical, electronic, military, nuclear, data processing, food processing and other industries in need of high performance lubrication.

These applications include:

- Plain bearings requiring exceptionally long operating life.
- Bearings exposed to high temperatures, moisture and aggressive chemicals

- Valves, pumps and other mechanisms that are in contact with Oxygen, Chlorine, other oxidants and other aggressive chemicals
- Models and miniature component lubrication
- Nuclear industry lubrication
- Instrument lubrication
- Petrol tank level sensors
- Anti-lock braking systems
- Missile catapult systems
- Gold contact surface lubrication

Not suitable for high speeds for example in electric motor bearings.

Use gloves when applying in high vacuum and oxygen applications to avoid residues that can cause outgassing or oxidation



### PROPERTIES

Thickener	Ultrafine PTFE
Fluid Type	Perfluorinated Polyether
Colour/Appearance	Cream White Paste
Dropping Point (ASTM D-566)	Non Melt
Specific Gravity	>1.9
Max Safe Temperature	290°C
NLGI Grade	2
Penetration @ 25°C (IP50/ASTM D-217)	265-295
Shell 4-Ball (ASTM D-2596) Weld Point, kgf	>500
Wear Scar Diameter (ASTM D-2266)	1.2mm
Base Fluid Viscosity (ASTM D-445) cSt @ 40°C	147cSt
PFPE 150	

### PACKAGING

Code No.	Size	Container
JA74001	100g	Tube
JA74004	500g	Tub
JA74007	1 kg	Tub
JA74023	5 kg	Pail

### LIMITED WARRANTY

Jet-Lube (UK) Limited makes the Limited Express Warranty that at the date of delivery, this product shall be free from defects in Jet-Lube (UK) Limited materials and workmanship.

This limited Express Warranty is expressly in lieu of any other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose, and of any other obligation on the part of Jet-Lube (UK) Limited.

The sole remedy for breach of the Limited Express Warranty shall be the refund of the purchase price. All other liability is negated and disclaimed, and Jet-Lube (UK) Limited shall not be liable for incidental or consequential damages. Sept 2014