

Fluonox 303 Grease

PFPE / PTFE grease for extreme conditions

Product description

Fluonox 303 is a fully fluorinated grease based on perfluoropolyether (PFPE) with polytetrafluoroethylene (PTFE) for lubrication of friction and rolling bearings under harsh conditions, very high temperatures, corrosive, solvents, liquefied natural gas, high vacuum, etc.

Features & benefits

- Excellent thermal stability ensures long term lubrication beyond temperature limits of other greases
- Non-reactive to metal and compatible with most plastics
- Superior resistance to water, steam, chemicals
- Resistance to oxidation
- Extremely low evaporation loss at elevated temperatures
- Capable for high pressures and loads
- Exhibits extraordinary resistance to solvents, acids and chemicals such as halogens, alcohols, benzene, benzol, acetone, trichloroethylene, sulphuric acid, hydrochloric acid and nitric acid

Applications

- Fan blower, ventilation fan and textile calendar roll bearings
- Oxygen and chlorine plants and pumping stations
- Semiconductor manufacturing equipment
- Rollers in conveyor ovens, tunnel ovens, reaction chambers, furnaces and boilers
- Bearings of kiln cars, tyre molding machines, bakery equipment, vacuum pumps, driers, glass and aluminum plants
- Tenter frames, paper and corrugation machines, instruments and instrument bearings
- Wheel bearings, universal joints, paint plant conveyor bearings

How to use

Use as supplied. Never mix with other greases or dilute with any oils. For optimum performance, clean the contact surface.

Use any ASV heavy duty industrial strength solvent based cleaner degreaser available in aerosol spray or bulk liquid pack.

When using a water based degreaser, ensure complete removal of any residues of the water based alkaline cleaning solution prior to applying grease.

Apply on clean, dry, degreased contact points using normal greasing methods such as brush, grease gun, spatula or automatic lubrication device. This grease can also be dispensed via centralized lubrication systems.

Follow instructions of the bearing or machine manufacturer as mentioned in the manual.

Relubrication intervals and amount are largely dependent on the working and service conditions. Relubricate in the same manner as recommended above.

Follow the industry rule of completely filling slow moving bearings having DN-value lesser than 50000. Normal moving bearings should be filled up to a third of their available free inner housing space.

Test	Unit	Result	Standard
Appearance		Solid, grease	Visual
Colour		White	Visual
Base oil		perfluoropolyether (PFPE)	Visual
Base oil viscosity @ 40°C	mm ² /s	~460	ASTM D-445
Thickener		PTFE	In house
Penetration (worked, 60x)	mm/10	265-295	ASTM D-217
NLGI Class	Consistency	2	DIN 51 818
Density @ 20°C	g/cm ³	1.96	ASTM D-1298
Drop point	°C	None	ASTM D-566
Lower working limit	°C	-30	In house
Upper working limit	°C	288	In house
Four ball weld load	N	>10000	DIN 51 350 pt.4
Wear scar (1h, 800N)	mm	0.6	DIN 51 350 pt. 5
Water resistance, static	Degree	1-90	DIN 51 807 pt.1
Copper strip corrosion	Rating	1a	ASTM D-4048
Evaporation loss, 30h, 150°C	%	0	ASTM D 972
Oil separation, 30h, 150°C	%	<5	ASTM D 6184
SKF Emlcor test	corr. degree	0 (None)	DIN 51 802
Shelf life from manufacturing month, unopened container	Months	60	In house

General

Use in well-ventilated areas. Avoid continuous breathing of vapor and spray mist. For complete details on safety, short and long term exposure, refer to this product's safety data sheet (SDS).

Handling

Read instructions on the container label of the product before use. The product safety data sheet (SDS) contains the relevant information regarding personal protective equipment, safe use, physical and health hazards.

Manufactured by:
ASV Multichemie Private Limited
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Disposal

All used and unused product should be disposed of in accordance with state regulations.

Limited warranty

Product manufactured is for industrial use only. The information and data contained in this sheet is accurate to the best of our knowledge or is obtained from sources, tests or experiences believed by us to be reliable and accurate. User is responsible for determining whether recommended ASV product is fit for a particular purpose. All products should be tested for suitability on a particular application prior to actual use. We make no representations of any kind. Data offered without warranty.

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