



Aerolube Technologies



Technical Data Sheet

Pyrotech Fluonox 303 Synthetic High Performance High Temperature Grease for Withstanding Heat, Chemicals, Solvents, Corrosion, Toxicity, Flammability, Compatibility and Providing Increased Service Life

Product Description

Stanvac Pyrotech Fluonox 303 grease is a perfluorinated polyether (PFPE) based lubricating grease for use in severe operating conditions of high temperature and aggressive chemical environments.

It exhibits excellent resistance to thermal degradation and offers excellent lubrication over a wide temperature range of -30 to +288°C.

It is non flammable, oxygen compatible and chemically inert.

Extremely low evaporation loss at high temperatures increases re-lubrication intervals and reduces lubrication and associated maintenance costs thereof.

Stanvac Pyrotech Fluonox 303 grease offers extended protection from rusting, corrosion and wear.

Applications

- Tenter frames in textile industry
- Life time sealed, maintenance free bearings
- Bearings exposed to high temperatures, moisture and aggressive chemicals
- Bearings in paper and corrugation manufacturing machines
- Instruments and instrument bearings
- Wheel bearings, universal joints, paint plant conveyor bearings
- Fan blower and ventilation fan bearings
- Textile calendar roll bearings
- Conveyor bearings in glass and aluminum plants
- Oxygen and chlorine plants and pumping stations
- Rollers in conveyor ovens, tunnel ovens, reaction chambers, furnaces and boilers where lubrication is beyond mineral oil or synthetic oil based lubricants
- Bearings of kiln cars, tyre molding machines, bakery equipment, vacuum pumps, driers, electric motors

Benefits

- Extremely wide service temperature range
- Excellent chemical and water washout resistance
- Excellent resistance to oxidation and high degree of thermal stability
- Non reactive to metal, plastic, elastomers and rubber
- Extremely low evaporation loss
- Very good extreme pressure and wear characteristics
- Non flammable, chemically inert non toxic

Directions for Use

Use as supplied. Never dilute or mix with other oil or grease. For optimal lubrication and adhesion, clean and degrease the surface of all previous residues, lubricants or contaminants with Stanvac 8001 heavy duty degreaser. To ensure no entrapment of cleaning agent, blow dry with dry compressed air. Apply by normal greasing methods of filling greases i.e. by brush or by suitable methods for dispensing NLGI 2 grade grease.

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TECHNICAL PROPERTY

Parameter	Value	Unit	Standard
Type	Synthetic grease with lubricating solids		
Appearance	Smooth buttery grease		Visual
Base oil	PFPE		In house
Thickener	Inorganic		In house
Solid lubricants	Inorganic		In house
Color ¹	White		Visual
Base oil viscosity @ 40°C	400-460	mm ² /s	ASTM D 445
Base oil viscosity @ 100°C	40-45	mm ² /s	ASTM D 445
Viscosity Index	125		ASTM D 2270
Penetration, worked, lower limit	265	mm/10	ASTM D 217
Penetration, worked, upper limit	295	mm/10	ASTM D 217
NLGI Consistency	2	Class	DIN 51 818
Density, @ 25°C	1.9	g/cm ³	
Drop point	None	°C	ASTM D 566
Flash point	None	°C	
Service temperatures	-30 to +288	°C	
Bearing rust test, 24h @ 54°C	Pass		ASTM D 1743

General

Use in well ventilated areas. Avoid continuous breathing of vapor and spray mist. In closed areas or areas with poor ventilation, use respiratory protection. For complete details on safety, short and long term exposure, refer to this product's safety data sheet (SDS).

Available Packaging

1 kg

Shelf Life

36 months from date of manufacture in sealed condition.

Disposal

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

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. Safety data sheet is available from Aerolube or your local Aerolube distributor.

Limited Warranty

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 Stanvac 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. Product manufactured is for industrial use only.

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