



Aerolube Technologies



Technical Data Sheet

Siltech FS 1003 Chemically Resistant Valve Lubricant

Product Description

Stanvac Siltech FS 1003 grease is based on a special fluorosilicone fluid and fluorinated polymeric thickeners.

Fluorosilicone oils inherently possess a high degree of resistance to chemicals, fuels, oils and solvents thereby making them ideal for use base fluids for greases requiring a high degree of resistance to the above working conditions.

Additionally, the combination of fluorosilicone base fluids and fluorinated polymeric thickeners are compatible with most gaskets, seals and packing materials.

Applications

- Stanvac Siltech FS 1003 grease is ideal for lubrication of metal to metal pairings operating under wide range of load, speed and temperatures especially exposed to adverse and harsh operating conditions such as exposure to chemicals, acids and alkalis such as in : plug valves, seals, packings, bearings, ball joints.

Benefits

- Extremely wide service temperature range of -31°C to +232°C
- Exceptionally good oxidation resistance
- Resistant to water, moisture, steam, humidity, solvents and most chemicals
- High load carrying capacity
- Compatible with most gaskets, seals and packings
- Nontoxic and non-staining

Directions for Use

Use as supplied. Never dilute or mix with other oil or grease. Apply on all clean sliding surfaces by normal greasing methods i.e. by brush, grease gun or dispense via centralized lubrication systems. Over extended storage intervals, a minor amount of oil separation may be noticed. However, this does not affect the lubricating qualities of the grease and simple mechanical stirring of the oil into the grease restores it to its original consistency.

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.

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Siltech FS 1003 Chemically Resistant Valve Lubricant

TECHNICAL PROPERTY

Parameter	Value	Unit	Standard
Type	Fluorosilicone oil based grease		
Appearance	Smooth		
Base oil	Fluorosilicone		
Base oil viscosity @ 40°C	~5200	mm ² /s	
@ 100°F	~46000	SUS	
Thickener	Fluorinated polymers		
Color ¹	White		
Penetration, worked	265-295	mm/10	ASTM D 217
NLGI consistency	3	Class	DIN 51 818
Density, @ 25°C	1.5	g/cm ³	
Drop point	+300	°C	ASTM D 566
Service temperatures	-31 to +232	°C	
Speed, max DN value ²	75,000	mm/min	
Bleed @ 204°C	<1.5	%	FTM STD 791
Evaporation @ 204°C	<1.5	%	ASTM D 2265
Water washout @ 80°C	<0.2	%	ASTM D 1264
Four ball weld load	400	kg	ASTM D 2596

1. Minor color variation of the same product but of different batches could be possible. However the lubrication values remain unchanged.

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.