



Aerolube Technologies



Technical Data Sheet

Siltech 1010 Silicone Grease for use as a Valve, Packing and Oil Seal Lubricant

Applications

- Lubricant for O-rings, packings, rubbers, gaskets, miniature bearing seals to provide resistance to water, chemicals, oxidation and provide thermal stability
- Lubrication of pneumatic control valves, fire extinguishers and water softener valves
- Sealant and lubricant for glass joints and stopcocks in normal as well as high vacuum systems
- Lubricant for pressure lubricated plug valves, flow meter bearings, ceramic plug cocks
- Sealant for vacuum and pressure systems
- Sealant between synthetic rubber or plastic parts to prevent them from sticking to in vacuum or pressure systems
- Chemical barrier and resistant coating for chemical processing equipment
- Damping media for dash pots in electrical and electronic equipment
- Assembly agent for holding rubbers and other parts due to its highly tacky nature
- All ingredients comply with regulations for food grade materials

Benefits

- Wide service temperature range from -40°C to +250°C
- Very good oxidation resistance
- Completely resistant to water, steam, humidity and corrosives
- Low vapor pressure and low volatility
- Compatible with plastics, rubbers, elastomers, and other gasketing and O-ring seal materials
- Prevents age hardening, stress cracking and maintains resilience of plastics
- Non gumming, non-melting and non-toxic
- Provides good lubricating and sealing properties for rubbers and plastics
- Chemically inert and resistant to most chemicals, hot and cold water, vegetable and mineral oils, dilute acids and alkalis, glycerin, ethanol, methanol, butane, steam, natural gas, ethylene glycol, most organic and inorganic chemicals and aqueous solutions.

Directions for Use

Use as supplied. Never dilute or mix with other oil or grease. Apply by means of hand, brush or putty knife. Can also be dispersed in solvents like mineral spirits, xylene or methyl ethyl ketone for thinning the consistency and making it easier to apply by brushing, dipping or spraying.

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).

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A-501, Kabra Centroid, 168/169, Vidyanagari Marg, Kalina, Santacruz (E), Mumbai - 400 098. Mobile : 93200 01540
E-mail : sales@aerolubeindia.com | aerolubetech@rediffmail.com | Website : www.aerolubeindia.com



Siltech 1010 Silicone Grease for use as a Valve, Packing and Oil Seal Lubricant

TECHNICAL PROPERTY

Parameter	Value	Unit	Standard
Type	Silicone compound		
Appearance	Smooth soft grease		
Base oil	Polydimethylsiloxane		
Thickener	Inorganic		
Color ¹	White, translucent		
Penetration, - Worked, 60 strokes	300-320	mm/10	ASTM D 217
Density, @ 20°C	0.91-0.92	g/cm ³	
Drop point	None	°C	ASTM D 566
Evaporation loss, 200°C, 30h	<2.5	% by wt.	
Oil separation, 40°C, 18h	0.2	% by wt.	DIN 51 817
Service temperatures	-40 to +250	°C	
Water resistance, 90°C	0-90		DIN 51 807 pt.1

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

Available Packaging

1 Kg, 5 Kg, 20 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.