



Aerolube Technologies



Technical Data Sheet

3014 PTFE DRY FILM LUBRICANT

Product Description

Stanvac 3014 is a fast air drying formulation of polytetrafluoro-ethylene (PTFE) solid film lubricants. It offers ultra-high lubricity when applied to a variety of surfaces and exhibits excellent anti-stick properties. It prevents metal-to-metal contact under extreme temperatures and pressure conditions and provides complete protection against wear, friction and corrosion.

Applications

- Lubrication of mating, sliding, oscillating surfaces subject to wear and heavy loads as in mechanical equipment like nuts, bolts, connectors, locks, valves, sleeves, studs, flanges, open chains, pivot pins, small gears, linkages, piston rods, adjustment bolts, rings, pipe-fittings and similar hardware.
- As a non-staining, long-term lubricant for components of textile machinery, instruments, food processing machines.
- For metal working operations as drawing, punching, rolling & extrusion.
- Excellent for use where cleanliness and non-contamination are critical as in electrical equipment, cables, switches, power saw blades, gaskets, bearings and chain devices.
- Lubrication of leather, plastics, elastomers and other gasketing material where it also provides a sealing action.
- Useful where silicone cannot be tolerated as it is also safe on rubber, wood, metals, glass and leather.
- As a release agent for molding rubber and plastic parts.

Benefits

- Lowers friction, prevents galling and seizure
- Does not attract dust and resists buildup
- Non-staining, chemically inert and safe on most materials
- Prevents metal-to-metal contact, reduces friction and wear
- Quick bonding, air-drying and does not require any special treatment
- Withstands corrosive and hostile environments
- Service rating from cryogenic temperatures
- Operating temperature range from -180°C to +250°C
- Contains no CFC's, ozone depleting substances or harmful chlorinated solvents

Directions for Use

Use as supplied. Never dilute or mix with other oil or grease. Shake the can vigorously for a couple of minutes before spraying till the bearing noise from inside the container is audible. Repeat before every application. Spray onto a clean, dry and degreased surface. Only a thin film of this lubricant is required. Allow solvents to evaporate. Spray from a distance of 20-30 cm. Repeat if necessary. Excess lubricant may fall off during assembly. For cleaning the valve dip-tube after spraying, invert the can and depress the actuator button for a few short bursts till only the clear propellant comes out.

Caution

Do not spray near naked flame, hot surfaces or energized equipment. Use with adequate ventilation.

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TECHNICAL PROPERTIES

PARAMETER	VALUE	UNIT	METHOD
Type	Dry film lubricant		
Appearance	Dry paint like liquid		
Color	Whitish		
Odor	Solvent		
Specific gravity	<1	g/cc	
Upper temperature limit	-180 to +250	°C	
Flash point	-18C (aerosol)	°C	
Water resistance	Completely resistant		
Vapor pressure	>air		
Evaporation rate	> n-butyl acetate		
Coverage	2-3	m ² /s	
Propellant	Non CFC		

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

500 ml aerosol spray

Shelf Life

24 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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