

# Product Data Sheet

LubriSilk® LS18F/LM18F  
Synthetic Greases NLGI #2 and NLGI #3



## LUBRISILK® SYNTHETIC GREASES NLGI #2 and #3

**LubriSilk® Synthetic Greases (LS/LM18F)** are a blend of the finest synthetic components available. **LubriSilk® Synthetic Grease** is a totally new type of synthetic grease, formulated with a patented boron-based ingredient **Boron-CLS-Bond®**. The **Boron-CLS-Bond®** active chemical process creates a near-permanent micro layer of extremely low-friction crystal lattice molecular structures that become part of the metallic surfaces. The inter-atomic bonding of the boric acid components reacts to all metal surfaces within several days and provides a long-lasting, low-friction surface impervious to most contaminants.

**LubriSilk® Synthetic Grease** with **Boron-CLS-Bond®** bonds to metal surfaces, depending on exposure time and temperature, to provide a long-lasting, low-friction surface that is impervious to many contaminants. This micro-layer of protection is bonded to metal surfaces with strong covalent and ionic bonds. **Boron-CLS-Bond®** provides durable, long-lasting wear surfaces and helps reduce corrosion and formation of acids caused by oxidation of the metal substrate.

**LubriSilk® Synthetic Grease** has reports endorsed by Bolt Science Limited, on its Torque-Tension tests, where **LubriSilk® Synthetic Grease** exhibited an exceptionally low coefficient of friction compared to other greases. Lithium grease exhibited a coefficient of friction of the order of 0.13, molybdenum disulfide grease exhibited a coefficient of typically 0.09, compared to an average of 0.060 for **LubriSilk® Synthetic Grease**, in each case after the grease had been on a fastener for seven days.

**LubriSilk® Synthetic Grease NLGI #2** is a general application grease, but has been tested to withstand extreme pressures by Chevron with the Herguth Laboratories in California to exceed a Timken OK Load of 90. A rating of 30+ is considered normal for typical #2 grease and 45-60 ratings for extreme pressures usually found in #3 higher viscosity greases.

**LubriSilk® Synthetic Marine Grease NLGI #3** is formulated for more extreme environments, especially in marine environments exposed to sea air and more corrosive atmosphere, and is HOCNF certified.

## USAGE

**LubriSilk® Synthetic Greases** have a wide range of applications. They are biodegradable, waterproof, non-corrosive, non-melting, and contain boron derivative EP agents. **LubriSilk® Synthetic Grease** is formulated to significantly reduce wear and friction and to lubricate under the most adverse conditions. The highly adhesive and extreme pressure / extreme temperature properties dramatically reduce metal-to-metal contact and corrosion in many applications.

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## APPLICATIONS

LubriSilk® Synthetic Greases provide excellent lubrication of "O" ring gaskets, bearings, gears, valves, universal joints, electric motor bearings, wheel bearings, pump bearings, heavy equipment, industrial and commercial fleet, marine and vessel applications.

## SPECIFICATIONS

Appearance.....	Buttery Semi-Solid
Odour.....	Mild
Base Fluid.....	Synthetic
Thickeners.....	Synthetic
NLGI No .....	#2, #3
Oil Viscosity SUS @210°F.....	524
Dropping Point.....	None
Flash Point.....	435 °F, 223.9 °C
Pour Point.....	-10°F, -23.3 °C
Corrosion (100 hrs) in 5% Salt Spray.....	No Rust
Solids.....	Boron Variants
Conradson Carbon % .....	001
Water Washout % Loss.....	1.9
Timken OK Load, Lbs.....	90 plus
CF- Value, ASTM G99-95 @ 50n.....	0.03 CF
Scar Value.....	0.69mm
Dielectric Strength, KV/M.....	30
D.O.T.....	Non-Regulated
V.O.C.....	None
Biodegradable.....	Yes

## PACKAGING

Tube.....	14 oz / 414 ml
Pail.....	35 lb / 16.6 litre
Keg.....	120 lb / 56.7 litre
Drum.....	400 lb / 189.3 litre

