

FN LUBE O-RING LUBRICANT

Proper O-ring installation is critical to achieving reliable and long-lasting sealing performance. During installation, O-rings are particularly susceptible to damage such as pinching, tearing, abrasion, or cutting, which can compromise seal integrity and lead to premature failure or unplanned downtime.

FN Lube and **FN Lube Plus** are purpose-designed O-ring lubricants developed to reduce installation friction, protect sealing elements, and support consistent performance across a wide range of industrial and maintenance applications. Developed in collaboration with Klüber Lubrication, part of the Freudenberg Group, both lubricants are engineered to ensure material compatibility when used together with Freudenberg-NOK Sealing Technologies sealing solutions.

FN LUBE (petroleum-based)

FN Lube is a high-performance petroleum-based lubricant formulated to extend the durability of synthetic rubber seals. Engineered for strong adhesion and smooth lubrication, it also provides reliable resistance to moisture. Ideal for low-pressure pneumatic systems and equipment with reciprocating, low-speed rotary, or oscillating motion, FN Lube performs effectively across a wide temperature range from -14°F to +176°F.

FEATURES & BENEFITS

- **Wide temperature tolerance:** -14°F to +176°F
- **Versatile use:** Suitable for various mechanical systems
- **Strong surface cling:** Ensures consistent lubrication
- **Moisture-resistant:** Protects against water exposure
- **Compatibility:** Common elastomers including NBR, FKM, FFKM, Neoprene, Polyurethane, and HNBR

The information contained herein is believed to be reliable, but no representation, guarantees or warranties of any kind are made to its accuracy or suitability for any purpose. The information presented herein is based on laboratory testing and does not necessarily indicate end product performance. Full scale testing and end product performance are the responsibility of the user.

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VALUE FOR THE CUSTOMER

- Reduced risk of seal damage during installation
- More reliable and repeatable assembly processes
- Lower maintenance effort and fewer unplanned failures
- Improved seal longevity in maintenance-intensive applications



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FN LUBE PLUS (silicone-based)

FN Lube Plus is designed to deliver exceptional results across a wide range of demanding applications. With one of the broadest operating temperature ranges available from -40°F to +320°F it's suitable for everything from assembly lubrication to high-pressure systems and vacuum environments.

Thanks to its chemically inert formulation, FN Lube Plus integrates seamlessly into diverse fluid systems without interfering with sensitive components. It offers long-lasting protection for rubber materials that are prone to aging, especially those sensitive to ozone exposure.

FEATURES & BENEFITS

- **Extreme temperature resilience:** Performs from -40°F to +320°F
- **High viscosity:** Maintains strong lubrication under pressure
- **Versatile application:** Ideal for assembly, vacuum, and high-pressure systems
- **Moisture-resistant:** Stays in place even in wet conditions
- **Protects aging polymers:** Shields ozone-sensitive rubber from degradation
- **Exceptional adhesion:** Clings to surfaces for consistent performance
- **Compatibility:** Broad range of elastomers including EPDM, FVMQ, NBR, FKM, and selected silicone materials

VALUE FOR THE CUSTOMER

- Reliable seal installation in high-temperature or chemically aggressive environments
- Enhanced operational safety in performance-critical applications
- Reduced risk of seal failure caused by installation-related damage
- Long-term protection for sensitive or high-value sealing systems



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