



Liquid-O-Ring®

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PRODUCTS SERVING INDUSTRIES WORLDWIDE

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101EU

FILM FORMING LUBRICANT

Made with LIQUILON®

ANTI-SEIZE/EXTREME
TEMPERATURE
COMPOUNDS

CLEANERS &
DEGREASERS

MULTI-PURPOSE
GREASES

PIPE COATINGS

PIPE STORAGE
COMPOUNDS

PUMP PACKINGS

RUST AND CORROSION
INHIBITORS

SPECIALTY FLUIDS

SPECIALTY LUBRICANTS

SPECIALTY SEALANTS

SPECIALTY OILS
& ADDITIVES

THREAD COMPOUNDS
(DRILLING/TOOL JOINT,
TUBING/CASING)

THREAD LOCKING
COMPOUNDS

THREAD SEALANTS

VALVE LUBRICANTS,
SEALANTS AND
CLEANERS

WIRELINE GREASES
& LINE SPRAYS

PRODUCT DESCRIPTION

101EU Film Forming Lubricant is a premium quality highly concentrated lubricant that resists the corrosive effects of downhole chemicals. 101EU is made with LIQUILON, which enhances the lubricity and extreme pressure properties. LIQUILON is unaffected by acids, caustics, downhole chemicals, and hydrocarbons including gasoline and solvents.

101EU is inert and thermally stable. The film forming properties of 101EU eliminates wear, guards against rust and corrosion, and prevents metal-to-metal contact thereby significantly reducing operating temperature. In many cases, the power (electricity) to operate is reduced. 101EU provides instant lubrication to equipment critical areas during start up.

BENEFITS

- REACH compliant
- Made with LIQUILON
- Highly concentrated
- Eliminates wear
- Guards against rust and corrosion
- Prevents metal-to-metal contact
- Provides residual lubrication
- Seals wireline tools from the effects of downhole chemicals
- Ensures against galling and seizing during makeup of wireline tools
- Provides instant lubrication during start up
- Service temperatures 10°F to >400°F

APPLICATION

101EU is recommended for use on O-rings, seal nipples, gaskets, packer plugs, and other downhole tool accessories to ensure against drying, cracking, and downhole contamination.

101EU is also recommended for application to wireline equipment and various downhole tools, where lubrication and corrosion resistance are vital. This lubricant will allow easy break-out and disassembly of downhole tools that have been subjected to adverse downhole chemicals.

TYPICAL OBSERVATIONS

Type	Concentrated Film Forming Lubricant
Color	Green*
Texture	Smooth Paste
Consistency	Buttery
Active Component	LIQUILON
Thickener	Bentone
Density, lb/gal @ 77°F (25°C)	7.65-8.15
Specific Gravity, @ 77°F (25°C)	0.916-0.976
Dropping Point, ASTM D-2265	450°F (232°C)
Flash Point, ASTM D-92	>450°F (>232°C)
Penetration, ASTM D-217 Worked @ 77°F (25°C)	265-295
Base Oil Viscosity cSt, 40°C	174.0
cSt, 100°C	17.0
Corrosion Preventive Properties, ASTM D-1743 @ 125°F (51°C)	Pass
Water Washout Characteristics, ASTM D-1264 @ 100°F (37°C)	1.0%
Evaporation Loss, ASTM D-972 @ 210°F (98°C)	2.8%
Oil Separation, ASTM D-1742 @ 77°F (25°C)	Nil
Oxidation Stability, ASTM D-942 @ 210°F (98°C) 72 Hrs. PSI Loss	6
Shelf Life (unopened container)	Two years

* When exposed to UV light, the surface of this product may turn a brownish color. The color change will NOT affect the performance properties of this product.



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Manufactured by

BALMAR LLC

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Sales Locations:

LAFAYETTE, LA | HOUSTON, TX | LONGVIEW, TX | MIDLAND, TX | OKLAHOMA CITY, OK

Made in U.S.A.

The product information and specifications listed in this publication are constantly being updated to keep up with government regulations and technology changes. Please visit our website, www.oilcenter.com, or contact your Account Representative for the most current information relating to this product.