



Liquid-O-Ring®

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PRODUCTS SERVING INDUSTRIES WORLDWIDE

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104EU

THREAD SEALANT

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

104EU Thread Sealant has been used by the petroleum industry for many years on oilfield tubing, casing, and line pipe. It has been used with great success on Eight Round and Buttruss threads, as well as thread sealing and preventing galling with premium metal-to-metal seal connections. It is especially effective as a sealant on used pipe where the threads are worn. 104EU Thread Sealant may also be used on fiberglass pipe and corrosion resistant alloys, as well as stainless steel, aluminum, or plastic pipe.

Sealing the helical leak path is another unique feature of 104EU Thread Sealant. Leaks often occur when thread crests wear, leaving a spiraling path between crest and the root of the threads. 104EU Thread Sealant will actually pack-off this troublesome area in a manner similar to packing in a stuffing box.

BENEFITS

- REACH compliant
- Made with LIQUILON
- Holds pressures exceeding 10,000 psi
- Service temperatures 10°F to >400°F
- Seals the helical leak path
- Unsurpassed as a thread sealant
- Effective anti-galling with premium connections
- Water repellent

APPLICATION

104EU Thread Sealant requires no mixing, dilution, or thinning prior to application. For best results, 104EU Thread Sealant is applied with a dope brush to both male and female threads. As the joint is made-up, 104EU Thread Sealant plates out evenly on the threads and shoulders. In case of "mill-made couplings," it is recommended that the collar be bucked off, reversed, and 104EU Thread Sealant applied to both ends.

TYPICAL OBSERVATIONS

Color	Green*
Appearance	Paste
Texture	Slightly rough
Active Component	LIQUILON
Thickener	Bentone
Manufacturing Process	Fluoromation
Density, lb/gal @ 77°F (25°C)	9.1
Specific Gravity @ 77°F (25°C)	1.09
Dropping Point, ASTM D-2265	>500°F (260°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	170
cSt, 100°C	16.4
Water Washout Characteristics	
ASTM D-1264 @ 100°F (37°C)	Nil
Corrosion Test	
ASTM B-117, 5% Salt Spray	
Rating @ 1000+ hours	Pass
Oil Separation, ASTM D-1742	
@ 77°F (25°C)	Nil
Friction Factor, API RP 5A3 Annex I	0.7
Shelf Life (unopened container)	Three 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.

The Friction Factor is determined using standardized equipment and tests performed in accordance with API RP 5A3/ISO 13678 under laboratory conditions. In actual field use pipe size, metallurgy, thread geometry, and drilling mud contamination can effect the makeup torque. Adjustments may be required based on experience and knowledge.

RELATED PRODUCTS

105EU Thread Sealant
167ML50 Premium Anti-Seize, Anti-Gall Thread Lubricant
304 Superior Thread Sealant
318 Metal Free OCR Modified
4000 Lead & Zinc Free OCR Modified

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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.