



Liquid-O-Ring®*

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PRODUCTS SERVING INDUSTRIES WORLDWIDE

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304EU

ECONOMY 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

304EU Economy Thread Sealant, an economical grade compound, is made with LIQUILON for application to tubing, casing, and large diameter size pipe. It performs well in cold weather applications. 304EU Economy Thread Sealant seals up to 10,000 psi and services temperatures up to 400°F (204°C). 304EU is used exclusively for API TR5 Torque Positioning Make-Up.

304EU Economy Thread Sealant may be used as a running compound for downhole service due to its corrosion and H₂S inhibitors.

BENEFITS

- REACH compliant
- Made with LIQUILON
- Lead-free
- Excellent performance in cold weather
- Contains corrosion and H₂S inhibitors
- Non-hazardous
- Economical
- Services temperatures to 400°F (204°C) and pressures up to 10,000 psi
- Used exclusively for API TR5 Torque Positioning Make-Up
- Provides a non-hardening seal
- Plates out over the entire threaded connection

APPLICATION

304EU Economy Thread Sealant requires no mixing, dilution or thinning prior to application. It is applied with a dope brush to both male and female threads. 304EU Economy Thread Sealant is an economical grade for application to tubing, casing, and large diameter pipe. 304EU Economy Thread Sealant is especially effective on 8 Round or Buttruss connections, as well as on many premium connections. 304EU provides thread seal for premium connections forming a double seal along with the metal-to-metal seal.

TYPICAL OBSERVATIONS

Color	Brown
Texture	Rough, Grainy
Active Component	LIQUILON
Manufacturing Process	Fluoromation
Density, lb/gal @ 77°F (25°C)	8.45
Specific Gravity @ 77°F (25°C)	1.012
Dropping Point, ASTM D-2265	>500°F (>260°C)
Flash Point, ASTM D-92	>400°F (>204°C)
Penetration, ASTM D-217	
worked @ 77°F (25°C)	295 - 305
Base Oil Viscosity	
cSt @ 40°C (104°F)	360
cSt @ 100°C (212°F)	21
Water Washout Characteristics	
ASTM D-1264 @ 100°F (38°C)	Nil
Evaporation Loss, ASTM D-972	
@ 210°F (98°C)	1.4
Oil Separation,	
ASTM D-1742 @ 77°F (25°C)	Nil
Salt Spray Test, ASTM B-117	2000+ hours
Friction Factor, API RP 5A3 ANNEX I	0.9
Temperature Range	10°F to 400°F -12°C to 204°C
Shelf Life (unopened container)	Four years

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

104EU Thread Sealant
404EU All-Purpose Lubricant and Sealant

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