W W W . O I L C E N T E R . C O M

304

SUPERIOR THREAD SEALANT Made with LIQUILON®*

Color

PRODUCT DESCRIPTION

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

304 Superior Thread Sealant may be used as a running compound for downhole service due to its corrosion and $\rm H_2S$ inhibitors.

BENEFITS

- REACH Compliant
- Conforms to API RP 5A3/ISO 13678
- Made with LIQUILON®*
- Lead-free
- Excellent performance in cold weather
- Contains corrosion and H₂S inhibitors
- Non-hazardous
- 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

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

TYPICAL OBSERVATIONS

Rough, Grainy Texture Active Component LIQUILON®* Manufacturing Process Fluoromation Specific Gravity, at 77°F (25°C) 1.012 >400°F (>204°C) Flash Point, ASTM D-92 Base Oil Viscosity cSt @ 40°C (104°F) 360 cSt @ 100°C (212°F) 21 Water Washout Characteristics ASTM D-1264 @ 100°F (37°C) Nil Temperature Range 10°F to 400°F -12°C to 204°C Shelf Life (unopened container) Two years

Brown

>500°F (260°C)

2000+ hours

Pass

API RP 5A3/ISO 13678

Dropping Point, ASTM D-2265

Evaporation, % loss 24 h at 212°F (100°C)

Gas Evolution, cm³ 120 h at 151°F (66°C) Pass Oil Separation, % 24 h at 212°F (100°C) Pass Penetration, ASTM D-217 295-305 worked at 77°F (25°C) Mass Density, Ib/gal at 77°F (25°C) 8.45 Water Leaching, % loss 2 h at 151°F (66°C) **Pass** Application & Adherence, 2 h at 0°F (-18°C) **Pass** Compound Stability Pass Copper Corrosion, ASTM D-4048 1A

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

Salt Spray Test, ASTM B-117

Friction Factor, API RP 5A3 Annex I

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

GEAR OILS

MOTOR OILS

HYDRAULIC OILS

PIPE COATINGS

THREAD SEALANTS

BEARING GREASES

SPECIALTY GREASES

THREAD COMPOUNDS

SUCKER ROD COATINGS

OUTSIDE PRESERVATIVES

WIRELINE GREASE SEALS

CLEANERS & DEGREASERS

PIPE STORAGE COMPOUNDS

RUST & CORROSION INHIBITORS

THREAD LOCKING COMPOUNDS

VALVE LUBRICANTS & SEALANTS

TOOL JOINT & DRILL COLLAR COMPOUNDS



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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 current information relating to this product.

*Registered trade name of Oil Center Research, Inc.

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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 web site, www.oilcenter.com, or contact your Account Representative for the most current information relation to this product

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