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318

OCR MODIFIED

Premium, Metal-Free Thread Compound

PRODUCT DESCRIPTION

318 OCR Modified is a superior thread compound for casing, tubing, premium connections, and line pipe. It provides excellent performance in the areas of lubricity, sealing properties, make-up/break-out torque, and long-term corrosion protection during periods of storage. 318 OCR Modified contains no metals which may create a corrosive atmosphere thereby eliminating galvanic corrosion while making 318 OCR Modified the ideal product for today's stringent environmental concerns. 318 OCR Modified is recommended for application to threads being hydrostatically tested. 318 OCR Modified is manufactured using components that meet or exceeds the listed performance objectives in API RP 5A3/ISO 13678. 318 OCR Modified meets the objective for eliminating hazardous materials in the workplace as presented in OSHA Communication CFR 1910.1200.

318 OCR Modified is high temperature and high pressure rated and contains corrosion and H₂S inhibitors to eliminate thread corrosion, pitting and to provide extended protection to tubular threads. Note: 318 OCR Modified is not recommended for rotary shouldered connections.

In use for years now, 318 OCR Modified has provided excellent results for pipe storage, downhole service, and hydrostatic testing. This triple servicing ability assures you of a safe, effective, and economical way to meet all your casing, tubing, premium connections and line pipe thread compound needs.

BENEFITS

- **Conforms to API RP 5A3/ISO 13678**
- **Friction Factor 1.0**
- **Environmentally acceptable**
- **Non-hazardous thread compound**
- **High pressure**
- **High temperature**
- **Engineered for triple service hydrostatic testing, pipe storage, and downhole services**
- **Superior performance on API 8-round, buttress, and premium metal-to-metal seal connections**

APPLICATION

318 OCR Modified is for application to casing, tubing, premium connections, and line pipe.

TYPICAL OBSERVATIONS

Color	Black
Texture	Grainy
Specific Gravity, at 77°F (25°C)	1.16
Flash Point, ASTM D-92	>400°F (>204°C)
Temperature Range	0°F to >500°F (-17°C to >260°C)
Shelf Life (unopened container)	Four years

API RP 5A3/ISO 13678

Dropping Point, ASTM D-2265	>500°F (>260°C)
Evaporation, % loss 24 h at 212°F (100°C)	Pass
Gas Evolution, cm ³ 120 h at 151°F (66°C)	Pass
Oil Separation, % 24 h at 212°F (100°C)	Pass
Penetration, ASTM D-217	
worked at 77°F (25°C)	310–340
Mass Density, lb/gal at 77°F (25°C)	9.66
Water Leaching,	
% loss 2 h at 151°F (66°C)	Pass
Application & Adherence,	
2 h at 0°F (-18°C)	Pass
Compound Stability	Pass
Corrosion Resistance, ASTM B-117	2000+ hrs
Copper Corrosion, ASTM D-4048	1A
Friction Factor, API RP 5A3 Annex I	1.0

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

306 OCR Modified, Lead-Free
318AG Arctic Grade, Metal-Free OCR Modified
Thread Compound
4000 OCR Modified, Lead & Zinc-Free

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

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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.