



338

METAL-FREE OCR MODIFIED Thread Compound

- 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

PRODUCT DESCRIPTION

338 Metal-Free OCR Modified is an economical thread compound for use on API connections on casing, tubing, and line pipe. This nonmetallic thread compound is manufactured using components that meet or exceed API specifications. The components used in the manufacture of 338 Metal-Free OCR Modified offer a product that is inert to chemical attack. 338 Metal-Free OCR Modified is a proprietary blend of non-metallic additives in a premium petroleum based grease. It is an environmental alternative to API compounds, or other commonly used compounds which contain metals such as zinc or copper. 338 Metal-Free OCR Modified contains a state of the art corrosion inhibitor package to provide protection against many downhole chemicals, or harsh contaminants. It protects against galling and thread damage while effectively sealing at temperatures up to 300°F (148°C).

338 Metal-Free OCR Modified is actually three compounds in one—an intermediate range storage compound, a running compound, and a compound for hydrostatic testing of casing and tubing.

BENEFITS

- Economical
Contains no metals
Meets or exceeds API specifications
Running compound
Storage compound
Hydrostatic test compound
Services high temperatures

APPLICATION

338 Metal-Free OCR Modified should be applied with a Liquid-O-Ring #2 Dope Brush or other equipment specifically designed for use with thread compounds (avoid using a paint brush). Use the dope brush bristles to force the compound into the roots of the threads. Take care to cover the entire threaded area. A VISUAL INSPECTION IS ADVISED. For optimum protection apply 338 Metal-Free OCR Modified to thread protectors as well.

TYPICAL OBSERVATIONS

Table with 2 columns: Property and Value. Includes Color (Black), Texture (Grainy), Specific Gravity @ 77°F (25°C) (1.306), Density lb/gal @ 77°F (25°C) (10.90), Flash Point, ASTM D-92 (470°F (243°C)), Brushable To (10°F (-12°C)), Corrosion Preventive Properties, ASTM D-1743 @ 125°F (51°C) (Pass), Water Washout Characteristics, ASTM D-1264 @ 100°F (37°C) (2.38%), Oxidation Stability, ASTM-642, ASTM D-972 @ 210°F (98°C), 72 hrs PSI Loss (2.5), For Use (API eight-round OCTG connections), Shelf Life (unopened container) (Four years).

API RP 5A3/ISO 13678

Table with 2 columns: Property and Value. Includes Dropping Point, ASTM D-2265 (352°F (177°C)), Evaporation, % loss 24 h at 212°F (100°C) (Pass), 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 worked at 77°F (25°C) (310-330), 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), 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)
306AG OCR Modified (Arctic Grade, Lead-free)
317 OCR Modified (Lead-free, Zinc-free)
318 OCR Modified (Premium, Metal-free)
318AG OCR Modified (Arctic Grade, Metal-free)
326 OCR Modified (Premium Based, Metal-free, TFE-free, API alternative)
328 OCR Modified (Premium connection, Metal-free)
747 OCR Modified (Lead-free)
4000 OCR Modified (Lead-free, zinc-free)
4000NM OCR Modified (Non-metallic)



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