ThreadSeal™

LEAD/ZINC-FREE THREAD COMPOUND

DESCRIPTION

JET-LUBE® ThreadSeal™ is a lead- and zinc-free thread compound designed for API and semi-premium OCTG connections. It provides high-pressure sealing, anti-seize protection and long-term corrosion resistance as an alternative to API Modified thread compounds.

Formulated with copper, graphite and extreme-pressure additives in a lithium-based grease, ThreadSeal offers excellent water resistance and adhesion to wet or oily threads.

ThreadSeal seals connections up to 10,000 psi and protects against galling, corrosion and H_2S attack. It is suitable for demanding oilfield environments and conforms to API RP 5A3 Fourth Edition.

ADVANTAGES

- No lead or zinc, eliminating the potential for hydrogen gas evolution
- Contains additives that protect against rust, corrosion and oxidation
- Sticks well to wet or oily thread surfaces
- H_2S inhibited
- Withstands high-pressure, high-temperature environments
- Exceptional corrosion protection (outperforms most alternatives in salt water fog spray testing)
- Conforms with API RP 5A3 for use with casing, tubing and line pipe

APPLICATIONS

ThreadSeal is recommended for use on API and semi-premium OCTG connections. It will lubricate, seal and protect threaded connections on make-up, in service and in storage. ThreadSeal is also suitable for flow lines and subsurface tools.

For a metal-free alternative use Jet-Lube® Run-N-Seal® Extreme.

PRODUCT CHARACTERISTICS

Property	Typical Value	Test Method
Thickener	Lithium	—
Fluid Type	Petroleum	—
Color	Dark Bronze	—
Dropping Point	460°F (238°C)	ASTM D-2265
Density (lb/gal)	10.4	—
Oil Separation / Wt. % Loss @ 212°F (100°C)	>3.0	ASTM D-6184
Flash Point	>430°F (221°C)	ASTM D-92
NLGI Grade	1.5	—
Penetration @ 77°F (25°C)	295 – 315	ASTM D-217
Copper Strip Corrosion	1A	ASTM D-4048
Four-Ball Weld Point, kgf	800	—
Friction Factor (Relative to API-Modified)	1.0	—
Salt Fog Corrosion Resistance 5% NaCl @ 100°F (38°C)	1,200 hrs	ASTM B-117
Service Rating	0°F (-18°C) to 500°F (260°C)	—

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LIMITED WARRANTY

For warranty information please go to www.jetlube.com/pdf/Jet-Lube_Warranty.pdf.