



MODIFIED-LZF™

LEAD/ZINC-FREE HIGH-PRESSURE THREAD COMPOUND

DESCRIPTION

MODIFIED-LZF™ our most recently introduced high-pressure sealant and anti-seize compound is patented and designed as a lead-free alternate for API-MODIFIED. **MODIFIED-LZF™** contains copper flake and graphite as well as other nonmetallic, inorganic, extreme pressure, and anti-wear additives. It contains a balanced package of rust, corrosion, and oxidation inhibitors blended into a high-quality aluminum complex base grease. The aluminum complex grease provides a high melting point and excellent inherent water resistance; allowing it to stick to wet steel and ensuring that the compound will not wash off threads.

- Contains no zinc, eliminating the potential for hydrogen gas evolution
- Friction factor of 1.0 (relative to API-MODIFIED)
- Contains additives for protection against rust, corrosion and oxidation
- Sticks to wet or oily threads
- Prevents leakage (seals to 10,000 psi)
- High film strength to protect against wear, galling and seizure
- H₂S inhibited
- Brushable over a wide range of temperatures
- Exceeds all of the performance criteria described in API spec. 5CT and set forth in API RP 5A3

APPLICATIONS

MODIFIED-LZF™ is recommended for use on premium and OCTG connections, flow lines, subsurface production tools, and tank battery installation. **MODIFIED-LZF™** will lubricate, seal, and protect threaded connections of oilfield tubular goods on makeup, in service and in storage. The aluminum complex grease base is excellent for use on connections exposed to high concentrations of moisture.

For a metal-free alternative and in applications using nickel or chrome alloy premium connections use **SEAL GUARD™**.

Service Rating: 0°F (-18°C) TO 450° (232°C)

PRODUCT CHARACTERISTICS

Thickener	Complex Soap
Fluid Type	Petroleum
Dropping Point (ASTM D-2265)	450°F (232°C)
Specific Gravity	1.22
Density (lb/gal)	10.2
Oil Separation (ASTM D-6184)	<3.0
Wt. % Loss @ 212°F (100°C)	
Flash Point (ASTM D-92)	> 430°F (221°C)
NLGI Grade	1 ½
Penetration @77°F (ASTM D-217)	295 – 315
Copper Strip Corrosion (ASTM D-4048)	1A
4-Ball (ASTM D-2596)	
Weld Point, kgf	800
Friction Factor (Relative to API-MODIFIED)	1.0
Salt Fog Corrosion Resistance (ASTM B-117) 20% NaCl @ 100°F	700 hrs.

LIMITED WARRANTY

For warranty information please visit
http://www.jetlube.com/pdf/Jet-Lube_Warranty.pdf

You can also email us at sales@jetlube.com or write to the Sales Department at the address below.