

Product Data Sheet



API-MODIFIED™ **HIGH-PRESSURE THREAD COMPOUND**

API-Modified is a compound that conforms to or exceeds the requirements of API RP 5A3. It also contains rust and oxidation inhibitors blended in JET-LUBE's base grease compounded from custom-refined, low-sulfur oil to ensure brushability over a wide temperature range. It tenaciously adheres to all surfaces, resists water washout, and prevents rust & corrosion.

API-Modified reduces friction in the makeup of casing and tubing, preventing galling and wear. Maximum thread engagement is ensured, providing optimum leak resistance. Its conductivity reduces the possibility of electrolytic corrosion by preventing the formation of galvanic cells in the presence of salt water and other corrosive fluids.

JET-LUBE®



APPLICATIONS:

- API Casing (i.e. buttress & 8-Round)
- Tubing Connections
- Line Pipe
- Flow Lines
- Subsurface Production Tools
- Tank Batteries
- Threaded Connections of Oilfield Tubular Goods on Make-up, (in service, and in storage)
- Most Proprietary Mechanical Seal Connection Designs

**Not recommended for rotary shouldered connections*

BENEFITS:

- Conforms or exceeds with API RP 5A3 for use with casing, tubing, and line pipe
- Additives for rust and corrosion protection
- Excellent lubrication qualities prevent galling and wear
- Sticks to wet and oily threads
- Brushable over a wide temperature range
- Leak prevention to 10,000 psi on API Connection designs and higher on mechanical seal connection designs

TYPICAL CHARACTERISTICS

Thickener Type	Lithium Soap
Oil Type	Petroleum
Color	Black / Brown
NLGI Grade	1
Cone Penetration @77°F, (ASTM D-217)	310 – 340
Dropping Point, (ASTM D-566)	>400°F (204°C)
Gas Evolution, ccs, 120 h @ 66°C	0 typical
Friction Factor, (API RP 5A3)	1.0
Density (lb/gal), @ 77°F (25°C)	16.4
Specific Gravity, g/cc @ 60°F (15.5°C)	1.97
Flash Point °F (°C)	>430 (221)
4-Ball EP Weld Point, kg Load Wear Index	800 >130
Copper Strip Corrosion 212°F (100°C) @ 3 hrs	1A
Environmental Rating Denmark PR#: UK CEFAS Norway SFT/Nems	2391739 Group B Black
Service Rating	0°F (-18°C) to 400°F (205°C)

The maximum operating temperatures are based upon connection designs. For API connection designs the maximum operating temperatures can be used with certain connections up to 400°F (205°C). Please consult the connection manufacturer before using on mechanical seal connection designs where the temperature limits may be much higher.

Learn more
product/api-modified-
high-pressure-thread-
compound



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