



## **Patriot Bolt and Supply**

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Dependable - Professional - Successful

### **Lubricant Solutions Moly-B Technical Specifications**

**Moly-B** is a molybdenum disulfide thread compound formulated especially for controlled makeup and easy breakout after long-term exposure to medium temperature and high load. It performs exceptionally well on B-7, B-16, Austenitic steels (B-8 series) stud materials installed in carbon or stainless steel flanges.

#### **Makeup information:**

Moly-B is 74% solids, which enhances consistent repetitive load to torque output. Special blending and binding agents allow these solids to apply smooth and even. Moly-B has the characteristic of achieving low K-factors (actual friction) across all loads. The specified K-factor is **.100**. This factor assumes the use of new hardware and good flange condition. Actual field condition may dictate adjusting the K-factor.

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#### **Typical Observations:**

1. Lubricant classification:
2. Appearance:
3. High temperature rating:
4. Thermal decomposition of solids:
5. Blending Oil description:
6. Binding agent:
7. Container size and weight:
8. Rust and corrosion test:

Paste  
Smooth, black  
750°F with prorated results to 1500°F 67% @ 750°F\*  
33% @ 1500°F  
synthetic  
complex soap  
Quart/4.5lbs.

Pint/2.25 lbs.

1/2 Pint/18 oz.

humidity cabinet 90 days with no rust\*\* 5% salt spray 90 days with no rust\*\*

Particular care has been taken to ensure that there is no ash or silica is left after the oil and grease have burned off.

\* During thermal decomposition the 67% is largely replaced with a byproduct that is also an excellent lubricant that remains intact up to 1200°F.

\*\* Equivalent to 10 years offshore.