

## MIL-PRF-83483E

### Armite's Molybdenum Disulfide Petrolatum Anti-Seize Compound

Meets MIL-PRF-83483E

Armite's Molybdenum Disulfide Petrolatum is manufactured to conform to the requirements of military specification MIL-PRF-83483E.

This compound contains molybdenum disulfide, which at higher temperature conditions (1000°F and above) may induce hot corrosion of fastener or contiguous materials. Accordingly, its use at higher temperatures should be avoided.

1. HIGH ADHESION
2. LOW-HIGH TEMPERATURES AND PRESSURE RANGES
3. LEAD FREE
4. LOWERS FRICTION
5. REDUCES TORQUE
6. PREVENTS SEIZING

Armite's MOLY MoS<sub>2</sub> (MIL-PRF-83483 Revision E) is a military specification for anti-seize compounds that are used in aerospace, aviation, and other industrial and advanced manufacturing industries. This revision of the specification is specifically designed for use in aerospace applications and provides detailed performance requirements for anti-seize compounds used in this industry.



#### DESCRIPTION

Molybdenum Disulfide, with its excellent lubricity and high load capacity, is particularly suitable for use on aircraft spark plugs and threaded fasteners and fittings at temperatures below 800°F.

Armite Lubricants is a company that takes pride in the traditional approach to manufacturing its MOLY (MoS<sub>2</sub>) anti-seize compound, which is designed to meet the performance requirements of MIL-PRF-83483 Revision E. By using a hands-on approach to production, Armite is able to ensure the quality and consistency of its products, which is critical in ensuring the reliability and longevity of aerospace systems and components.

The personal care and attention to detail provided by Armite's highly skilled "Chef" is a unique approach to production that sets the company apart from others that rely on industrial automated machinery. By using hands-on production methods, Armite is able to monitor every aspect of the production process and make adjustments as necessary to ensure that its products meet the high standards of quality required for use in aerospace applications.

In addition to hands-on production, Armite also performs rigorous lab testing on its MOLY-anti-seize compound to ensure that it meets the performance requirements of MIL-PRF-83483 Revision E. This testing helps to validate the product's quality and performance and provides assurance to customers that the product will perform as expected in aerospace applications.

Some other suggested applications include gaskets, valve stems, fasteners, spark plugs, etc.

#### ADDITIONAL INFO

##### Available in:

8 oz. tube, NSN 8030-00-243-3285  
1 lb. can, NSN 8030-00-087-8630  
1.75 lb. can, no NSN  
35 lb. pail, no NSN  
500 lb. drum, no NSN

##### Typical Characteristics:

Color: Dark grey  
Physical State: Semi-solid paste  
NLGI Grade: 2-4 approx.  
Penetration: 170-260  
Specific Gravity: 1.44  
Flash Point: 360°F (182°C)  
Auto Ignition Point: >500°F (>260°C)  
Additive type: MoS<sub>2</sub>  
Service Range: -65°F to 800°F (-54°C to 426°C)

**Note:** Products listed are suggestions. The information on this site will not replace your testing and evaluation procedures. Ultimate product selection should be based on your test results and the specific performance requirements.

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