



MIL-PRF-83483 TDS

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MIL-PRF-83483 Molybdenum Disulfide Petrolatum Anti-Seize Compound

Armite's Molybdenum Disulfide based anti-seize is manufactured to conform to the requirements of Military Specification MIL-PRF-83483D. 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.

Application Considerations

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. It should not be used in place of sealing compounds, pipe joint and thread, lead free, general purpose conforming to TT-S-1732.

Molybdenum Disulfide Petrolatum

Meets MIL-PRF-83483
NSN 8030-00-243-3285 8oz. tube
NSN 8030-00-087-8630 1 lb. can
Water resistant
Lead free
Lowers friction, reduces wrench torque
Permits re-use of fittings

Application

Gaskets
Slides
Flange faces
Fasteners
Frame bolts
Spark plugs
Valve stems

Typical Characteristics

NLGI Grade 2-4 approx.
Color Dark grey
Penetration @ 77°F 170-260
Melting Point 130°F
Specific Gravity 1.44
Additive Type MoS₂
Flash Point 480°F (249°C)
Auto Ignition Point >500°F (260°C)
Service Range -65°F (-54°C) to 800°F (427°C)

TEST: Applications listed are suggestions. This guide will not replace your testing and evaluation procedures. Ultimate product selection should be based on your test results and the specific performance requirements.