



TECHNICAL DATA SHEET

MOLY EP ANTI-SEIZE AND GASKET COMPOUND

Whitmore's Moly EP Anti-Seize is a premium formulation with a variety of applications over a wide temperature range. Its homogeneous composition offers maximum protection against seizure and heat-freeze, eases assembling and dismantling, and saves man-hours. It assures protection against rust, oxidation and corrosion. It will not harden, evaporate, or settle out; and it requires no thinning.

Moly EP contains carefully balanced proportions of molybdenum disulfide (MoS₂), graphite, and low friction fillers in an aluminum complex base grease that is fortified with effective rust and corrosion inhibitors. Each principal anti-seize, low-friction ingredient has important properties and characteristics.

Molybdenum disulfide (MoS₂) has an affinity for ferrous metals, bonds itself to steel working surfaces and offers protection from frictional wear and fret corrosion while sustaining lubrication. Graphite provides Extreme Pressure characteristics.

The aluminum complex base grease in Moly EP contains a patented, extreme-pressure additive. This package increases performance because it maintains the proper dispersion and suspension of solid ingredients. It flows evenly over surfaces and into thread courses. It will not drip, assuring that the surface receives maximum protection.

BENEFITS:

- LEAD-FREE
- PROTECTS AGAINST - seizure, heat-freeze, galling, rust, and corrosion.
- LOWERS FRICTION - reduces wrench torque.
- PROVIDES - easy makeup and breakout.
- REDUCES - maintenance costs.
- NOT AFFECTED - by vibration, expansion, or contraction.
- WILL NOT - run, drip, or settle out.

APPLICATIONS:

Use Moly EP:

Tubular Threads	Flange Faces
Gaskets	Keys
Keyways	Slides
Guides	Fittings

Particularly suitable for steel and aluminum. Moly EP works equally well on alloys, stainless steel, cast iron, titanium, plastic, copper, brass, packing, and gasket materials.

NOTE: Not for use on oxygen or LPG lines. Not suitable for stainless steel at temperatures above 550°F (288°C).

ASTM #		TYPICAL CHARACTERISTICS
	NLGI Grade	1
D-217	Cone Penetration (Worked)	310
D-2265	Dropping Point, °F (°C)	500 (260)
Gardner Method	Density, lb/gal @ 60°F (15.5°C)	9.45
	Specific Gravity, g/cc @ 60°F (15.5°C)	1.134
D-2596	Four Ball EP	
	Weld Point, kg	500
	Load Wear Index	109
D-4049	Water Spray-Off, % Loss	<12
D-4048 (Modified)	Copper Strip Corrosion for Greases 212°F (100°C) @ 3 hrs	1A
	Thickener Type	Aluminum Complex
B-117	Salt Fog Resistance 20% NaCl @ 100°F (38°C), hr	>200
	Coefficient of Friction on Stainless Steel	0.09
	Service Rating, °F (°C)	-65 (-54) to 1050 (566)
	Color	Dark Gray

The above are average values. A single test result may vary slightly without affecting performance.

PACKAGING

Brush Top Cans 12 – 1 lb cans	Brush Top Cans 12 – 2 lb cans
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THE WHITMORE MANUFACTURING COMPANY

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Performance Under Pressure Since 1893

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