

Molylube Anti-Seize Compound

Molylube Anti-Seize Compound is a non-melting, organo-clay grease with 40% of molybdenum disulfide, or moly, and graphite lubricating solids. Molylube Anti-Seize Compound has a phenomenal capacity for preventing seizing and galling at assembly pressures in excess of 70 mPa (10,000 PSI). It provides excellent rust and corrosion protection for assembled parts. Molylube Anti-Seize Compound is an excellent tool joint compound for pipe threads and collars with easy make up and low break out torques. It is impervious to water and is unaffected by most acids and alkalis. Under limited static conditions, the additive, moly and graphite lubricating solids in Molylube Anti-Seize Compound will provide exceptional protection at temperatures of -184°C to 399°C (-300°F to 750°F).

APPLICATIONS

- Cutting and tapping
- Plug valves
- Splines
- Screw threads, nuts and bolts and studs
- Assembly lubricant
- Cams
- Ways and sliding surfaces
- Coupling
- Pipe threads
- Oversized pins
- Die set leader pins

PRODUCT FEATURES

- Non-melting thickener and contains high percentage of moly and graphite
- Extreme Pressure and anti-wear properties
- Water/acid/alkali resistant

BENEFITS

- Wide temperature range applications.
- Provides long term protection against galling, seizing and fretting. Fewer rejections at assembly
- Resists softening and washout and superior adhesion to metal

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6/8/2022



Typical Physical Properties		
Property	Test Method	2
Worked Penetration	ASTM D217	280
NLGI Grade		2
Thickener Type		Organo-Clay
Viscosity @ 40°C, cSt	ASTM D445	482
Viscosity @ 100°C, cSt	ASTM D445	31.4
Dropping Point, °C (°F)	ASTM 2265	>260 (>500)
Lubricating Solids Type		MoS ₂ and Graphite
Water Washout %	ASTM D1264	3.5
4-Ball EP Test, Weld Load, kg	ASTM D2596	500
4-Ball EP Test, Coefficient of friction	ASTM D2266	0.59
4-Ball Wear Scar Diameter, mm	ASTM D2266	0.061
Torque Coefficient (K-factor)	ISO16047	0.169
Rust Protection	ASTM D1743	Pass
Useful Temperature Range, °C (°F)		-184 to 399 (-300 to 750)*
Color		Dark Grey

* Lubrication at extremes of the temperature range is limited to static application only.

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