

Molylube[®] Anti-Seize Compound

PRODUCT DESCRIPTION

Bel-Ray[®] 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).

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

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

DISTRIBUTED BY:

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PRODUCT DATA

Typical Properties		
Property	Test Method	NLGI Grade 2
Thickener Type		Organo-Clay
Worked Penetration @ 25°C, 60 strokes (0.1 mm)	ASTM D217	280
Base Fluid Viscosity @ 40°C (cSt)	ASTM D445	482
Base Fluid Viscosity @ 100°C (cSt)	ASTM D445	31.4
Dropping Point, °C (°F)	ASTM D2265	>260 (>500)
Lubricating Solids Type		MoS ₂ and Graphite
Water Washout @79°C (175°F), % loss	ASTM D1264	3.5
Torque Coefficient (K-factor)	ISO 16047	0.169
4-Ball EP Test, Weld Load (kgf)	ASTM D2596	500
4-Ball EP Test, Coefficient of friction	ASTM D2266	0.59
4-Ball Wear Test, @ 1200 rpm, 40 kgf, 60 min, 75°C Scar Diameter (mm)	ASTM D2266	0.61
Corrosion Preventive Properties	ASTM D1743	Pass
Useful Temperature Range, °C (°F)		-184 to 399 (-300 to 750)*
Color		Dark Gray

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

HEALTH and SAFETY

Health and safety recommendations for products can be found on the Safety Data Sheet (SDS) at www.belray.com