



PRODUCT DATA SHEET



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** is an Extreme Pressure grease that protects threads from galling, seizing and fretting. A virtually waterproof compound, 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.

Applications

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

Features and Benefits

- ◆ Contains high percentage of moly and graphite
- ◆ Extreme Pressure and anti-wear properties
- ◆ Excellent lubricant
- ◆ Water/acid/alkali resistant
- ◆ Non-melting thickener and lubricating solids
- Works well at extremely high and low temperatures.
- Provides long term protection against galling, seizing and fretting. Fewer rejections at assembly.
- Lower unit assembly costs.
- Resists softening and washout. Superior adhesion to metal.
- Wide temperature range applications.

General Description

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 is impervious to water and is unaffected by most acids and alkali. 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 No. 301082, 301610

MOLYLUBE[®] ANTI-SEIZE COMPOUND
TYPICAL PROPERTIES

<u>Product No.</u>	<u>301082</u>	<u>301610</u>
<u>Old Product No.</u>	<u>67700</u>	<u>67710</u>
NLGI Grade	2	1
Penetration, worked (60 strokes), ASTM D217 mm/10	280	325
Thickener Type	Organo-clay	Organo-clay
Viscosity (Base Fluid), ASTM D445 @ 40°C, cSt	482	482
@ 100°C, cSt	31.4	31.4
Dropping Point, ASTM D2265 °C (°F)	>260 (>500)	>260 (>500)
Lubricating Solids Type	MoS ₂ & Graphite	MoS ₂ & Graphite
Lubricating Solids, weight %	~ 40	~ 40
4-Ball EP Test, ASTM D2596 Weld Load, kg	500	500
4-Ball Wear Test, ASTM D2266, 40 kg Load, 1 hr, 75°C Scar Diameter, mm	0.59	0.56
Coefficient of Friction	0.061	--
Torque Coefficient (K-factor), ISO 16047	0.169	0.169
Coefficient of Friction, ISO 16047	0.126	0.126
Rust Protection, ASTM D1743, rating	Pass	Pass
Useful Temperature Range* °C	-184 to 399	-184 to 399
(°F)	(-300 to 750)	(-300 to 750)
Color	Dark Gray	Dark Gray

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