

Black Moly

Extreme Pressure Lubricant

Product Description

Never-Seez® Black Moly lubricant is designed for industrial applications requiring non-destructive assembly and disassembly where combinations of high loads, high temperatures and low speeds are encountered to reduce friction during the assembly of press-fit components. This multi-purpose extreme pressure anti-seize lubricant contains a high concentration of molybdenum disulfide. Especially effective under extreme pressures involving heavy loads and slow speed resulting in boundary lubrication conditions, Never-Seez® Black Moly withstands pressures to 500,000 psi up to 750°F (399°C).

Product Benefits

- Protects and lubricates metal parts in high friction, high pressure environments.
- Provides smooth break-in of new and rebuilt equipment.
- Resists temperatures to 750°F (399°C).

Product Applications

- Press fit assemblies
- Equipment break-in
- Machine tool parts
- Highly loaded bearings <500 RPM
- Hot exhaust fans
- Adjusting screws
- Screw jacks
- Crushing mills
- Steel forming gates and slides

Limitations

- For lubrication at temperatures up to 1000°F, use Never-Seez® High Temperature Bearing Lubricant.
- Speed factor (n x dm) less than 150,000.

Other Anti-Seize Lubricants

- Regular Grade
- Pure Nickel Special
- Nuclear Grade, Nickel Special
- High Temp Stainless
- High Temp Stainless, Nuclear Certified
- Marine Grade
- Blue Moly
- Red Bearing Lubricant
- White Food Grade with PTFE
- High Temperature Bearing Lubricant
- Pipe Compound with Teflon®



Technical Specifications

Color	Dark Grey	
Temperature Range, °F (°C)	10°F to 750°F (-12°C to 399°C)	
Solvent Resistance	Excellent in water, salt water, ionized water	
Particle Size, mil (microns)	1 maximum (25m)	
Density (g/cm ³)	1.1 to 1.3	
NLGI Grade	1/2	
		ASTM Test Method
Penetration Worked (60 strokes), mm	300-350	D-217
Flash Point, °F (°C)	>482°F (>250°C)	D-92
Dropping Point, °F (°C)	375°F (191°C)	D-566
EP		D-2596
L.W.I., kgf	50	
L.N.S.L., kgf	80	
Weld Point, kgf	250	
Shell 4 Ball Wear (Scar Diameter), mm	0.59	D-2596
Torque Coefficient, k factor	0.140	
Coefficient of Friction (4 ball test)	0.0597	D-2266
Extreme Pressure (4 ball weld load), kgf	250	D-2783

Ingredients: Molybdenum disulfide, zinc oxide in a special high quality grease.

Shelf Life: Never-Seez® Black Moly does not deteriorate with age when stored unopened at temperatures below 120°F (49°C). Quality and performance are guaranteed for five years from the date of manufacture on unopened containers.

Use in accordance with Material Safety Data Sheet.

Ordering Information:

BLACK MOLY (EXTREME PRESSURE LUBRICANT)

STOCK NUMBER	DESCRIPTION	SIZE
NSBC-1	Cartridge	1 lb.
NSB-150	Flat Top	1 lb.
NSB-35B	Pail	35 lbs.
NSB-425B	Drum	425 lbs.

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