

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
- Blue Moly
- Red Bearing Lubricant
- White Food Grade with PTFE
- High Temperature Bearing Lubricant
- Pipe Compound with Teflon®
- Mariner's Choice
- Heavy Metal Free
- PetroChem Grade



Technical Specifications

Color	Dark Gray	
Temperature Range, °F (°C)	10°F to 750°F (-12°C to 399°C)	
Thickener Type	Lithium Soap	
Particle Size, mil (microns)	1.5 maximum (38 µ)	
Density (g/cm³)	1.20 to 1.28	
		ASTM Test Method
Flash Point, °F (°C)	475°F (246°C)	D-92
Copper Corrosion Test @ 212°F (100°C), 24 hrs.	No Corrosion	D-130
Worked Penetration, 60 Strokes @ 77°F (25°C)	250-310	D-217
NLGI Grade	1/2	D-217
Dropping Point, °F (°C)	375°F (191°C)	D-566
Water Washout, % loss @ 100°F	<2	D-1264
@ 175°F	<5	
Coefficient of Friction @ 167°F (75°C), Four Ball	0.0597	D-2266
Torque Coefficient, k factor	0.14	
Four Ball EP	Load Wear Index	70.7 D-2596
	Last Non-seizure Load (scar)	100 kgf (0.45 mm)
	Last Seizure Load (scar)	315 kgf (2.41 mm)
	Weld Load	400 kgf

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.

How Never-Seez Black Moly Affects Torque:

Compared to unlubricated fasteners, the use of Never-Seez Black Moly can be viewed 2 ways:

- (1) It provides up to 24% MORE clamping force when applying the SAME amount of torque!
- (2) It provides the SAME clamping force when applying up to 24% LESS torque!

IMPORTANT!

- In order to best represent typical torque reduction values, Bostik references a “K-Factor” for unlubricated carbon steel fasteners of 0.185.
- Proper torque is critical and, if not clearly understood, users may over-torque their fasteners which may lead to costly damage. BOSTIK is not liable for any damages incurred. Refer to the Bostik standard warranty for details.

Use in accordance with Material Safety Data Sheet.

Ordering Information:

NEVER-SEEZ® BLACK MOLY (EXTREME PRESSURE LUBRICANT)

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

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