

Molyplex™ 500+

Premium Multipurpose High Temperature Grease

General Description

Molyplex 500+ is a premium heavy duty multi-purpose grease recommended for automotive, industrial, and farm use. Molyplex 500+ qualifies for the highest performance level of automotive chassis and wheel-bearing grease, GC-LB. Its excellent low temperature characteristics, water resistance and superior oxidation control allow for long service.

Molyplex 500+ is formulated with high quality base oils combined with a lithium complex thickener for high temperature performance, and a carefully balanced additive package for superior rust control, oxidation control and wear protection.

Molybdenum disulfide (Moly) is also added to protect against extreme pressures and shock loading. This combination provides excellent performance and protection in all types of Extreme Pressure applications.

Expect Superior Performance in:

- High temperature applications
- Moist environments
- Shock load conditions
- Chassis lubrication
- Wheel bearings

Features and Benefits

E.P. Performance: Excellent extreme pressure properties reduce wear and maintenance costs where applicable.

Long Life: Enhanced oxidative and thermal stability lead to longer grease life.

Moly Content: Molyplex 500+ contains Molybdenum Disulfide ("Moly") as recommended by some manufacturers.

Shock Loading: The moly additive exhibits excellent resistance to wear from shock loading.

High Dropping Point: A dropping point over 500°F demonstrates Molyplex 500+'s ability to handle high temperatures.

Rust and Corrosion Protection: Excellent rust and corrosion prevention leads to prolonged equipment life.

Seal Compatibility: Excellent seal compatibility decreases degradation and swelling of seal materials.

Typical Application

Molyplex 500+ is recommended for:

- NLGI Service GC-LB
- High temperature operations
- Severe load applications
- Shock loading applications
- Equipment requiring Moly content in the grease

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Typical Customer

- Agricultural Equipment Operators & Shops
- Industrial Equipment Operators
- Truck Service Shops
- Auto Service Shops
- Mining Service Companies
- Construction Companies

Health & Safety

A complete material safety data sheet is available upon request. Avoid prolonged or repeated skin contact. Wash clothing and exposed areas with soap and water. Don't pollute.

Typical Properties

NLGI Grade	No. 2	No. 1
Thickener	Lithium Complex	Lithium Complex
Texture	Smooth	Smooth
Dropping Point, minimum	500°F	500°F
Penetration, 60 stroke	275	325
Color	Gray/Black	Gray/black
Mineral Oil & soluble additives		
40°C Viscosity, cSt	172	171
100°C Viscosity, cSt	12.4	11.7
Viscosity Index	41	47
Rust Prevention	Pass	Pass
Timken OK load	55 lb.	50 lb.
Operating Temperature Range °F	-40 to 430	-40 to 430

The typical properties listed reflect the general characteristics of the product, and are not manufacturing specifications. Normal batch-to-batch variations should be expected.