



Product Data Sheet

Silver Max EP1 and EP2

Premium Lithium Complex (with 3% moly) Lubricating Grease

Description

Nemco Silver Max EP Grease is premium lithium-complex extreme pressure grease designed for extreme-condition use in off-highway construction and other heavy duty applications. This multi-purpose lithium-complex grease is formulated with high-viscosity base fluids for exceptional film strength and is fortified with 3% molybdenumdisulphide (moly), a solid additive that provides additional load carrying capacity and anti-wear performance.

Silver Max EP Grease is fortified with anti-rust, anti-oxidant, extreme pressure and anti-wear additives. This unique formulation provides extreme pressure (EP) and stay-in-place properties. This grease has a high dropping point which provides excellent performance and protection in high-temperature environments.

Features and Benefits

- EP Performance; Excellent extreme pressure properties reduce wear and maintenance costs.
- Long Life; Outstanding mechanical stability over long periods of rigorous service.
- High Load and Weld Point; Strong protection against heavy pressures and shock loading.
- Wide temperature range of service.

Applications

Nemco Silver Max EP1 and EP2 Greases are harsh-environment greases suitable for bucket and pivot pins, spine shafts, sliding surfaces, high-temperature applications, and heavy-shock loading conditions.

Meets and/or Exceeds:

- OEM requirement for Multi-Purpose Moly Grease (MPGM)

Availability and product codes

Pack size	10x1 tube case	35lb pail	120lb keg	400lb drum
Silver Max EP1	GRGRZ0012	GRGRZ0051	GRGRZ0081	GRGRZ0107*
Silver Max EP2	GRGRZ0013	GRGRZ0052	GRGRZ0082	GRGRZ0108*
Availability	Year round / *Contact a Technical Sales Representative			

Use and Storage

To get the best performance from your equipment ensure products meet or exceed manufacturing requirements. Lubricants typically have a shelf life of 5 years under ideal storage conditions. Keep containers in good condition and away from moisture. Keep closures securely in place to prevent exposure to air which may cause the product to dry out. Where possible, avoid storage in areas where the temperature fluctuates between extreme highs and lows.

Typical physical characteristics – Silver Max EP Grease

Properties	Method	EP1	EP2
NLGI Grade	ASTM D217	1	2
Soap/Thickener Type		Lithium Complex with 3% moly	Lithium Complex with 3% moly
Texture	Visual	Smooth, tacky	Smooth, tacky
Colour	Visual	Silver/grey	Silver/grey
Worked Penetration, 25°C (77°F), mm/10, 60 strokes	ASTM D217	320	280
Dropping Point, °C (°F)	ASTM D2265	>260(>500)	>260(>500)
Viscosity of Oil, cSt @ 40°C	ASTM D445	320	320
Four-Ball Wear Test, Scar, mm	ASTM D2266	<0.6	<0.6
Four-Ball Weld Point, kg (minimum)	ASTM D2596	620	620
Four-Ball Load-Wear Index, kgf (minimum)	ASTM D2596	90	90
Corrosion Prevention, rating	ASTM D1743	Pass	Pass
Timken OK Load, kg (lb) (minimum)	ASTM D2509	27.2(60)	27.2(60)
Water Spray-Off, wt.% (loss)	ASTM D4049	<50	<25
Mobility Test, @ 60°F), g/min	US Steel	>450	>250
Operating Temperature Range		-23°C to 163°C -9.4°F to 325°F	-13°C to 163°C 8.6°F to 325°F

These characteristics are typical of current production, variations in these characteristics may occur.

Health, Safety, & Environment

GHS compliant Safety Data Sheets are available at nemco.ca under 'Safety Data Sheets'. For SDS in French, please contact info@nemco.ca. While this material is not classified under WHMIS 2015 the SDS contains valuable information critical to the safe handling and proper use of the product. Always take used grease to an authorized collection point. Avoid discharge into the environment. As with any lubricant, keep out of reach of children and animals.

Quality

Nemco works with respected industry suppliers and is an active member of ILMA. Nemco Resources Limited manufacturing facility in Winnipeg, Manitoba is proud to be certified to ISO 9001. For questions regarding quality, please contact our Technical Sales representatives.