



Product Data Sheet

Blue Max EP1 and EP2

Premium Lithium Complex Lubricating Grease

Description

Nemco Blue Max EP Grease is a premium lithium-complex, extreme pressure grease designed for use on plain and anti-friction bearings in all automotive, farm equipment and industrial machinery. This multi-purpose lithium-complex grease has a high dropping point, in excess of 260°C (500°F), which ensures retention where high temperatures are encountered.

Blue Max EP Grease is formulated with a special additive package that ensures high film strength, extreme pressure and anti-wear properties. The high-quality virgin base fluids provide excellent natural oxidation inhibition. Combined with effective anti-oxidants as well as corrosion inhibitors, this grease provides extra stability under storage and extreme service conditions.

Features and Benefits

- EP Performance; Excellent extreme pressure properties reduce wear and maintenance costs.
- Long Life; Enhanced oxidative and thermal stability leads to longer grease life.
- High Dropping Point; Allows Blue Max Greases to handle high temperature service.
- Wide temperature range of service.

Applications

Nemco Blue Max EP1 and EP2 Grease are multi-purpose greases suitable for wheel bearings, universal joints, suspension systems, ball joints, and anti-friction plain bearings.

Meets and/or Exceeds:

- NLGI GC-LB wheel bearing and chassis lubrication for agricultural, automotive and industrial equipment.

Availability and product codes

Pack size	10x1 tube case	35lb pail	120lb keg	400lb drum
Blue Max EP1	GRGRZ0009	GRGRZ0040	GRGRZ0077*	GRGRZ0098*
Blue Max EP2	GRGRZ0011	GRGRZ0042	GRGRZ0079	GRGRZ0100*
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 – Blue Max EP Grease

Properties	Method	EP1	EP2
NLGI Grade	ASTM D217	1	2
Soap/Thickener Type		Lithium Complex	Lithium Complex
Texture	Visual	Smooth, tacky	Smooth, tacky
Colour	Visual	Blue	Blue
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	315	315
Four-Ball Load-Wear Index, kgf (minimum)	ASTM D2596	50	50
Corrosion Prevention, rating	ASTM D1743	Pass	Pass
Timken OK Load, kg (lb) (minimum)	ASTM D2509	22.7(50)	22.7(50)
Water Spray-Off, wt.% (loss)	ASTM D4049	<55	<35
Mobility Test, @ 60°F, g/min	US Steel	>450	>300
Operating Temperature Range		-40°C to 121°C -40°F to 250°F	-1°C to 176°C 30°F to 349°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. This material is classified under WHMIS 2015. Please refer to the SDS which 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.