



Product Data Sheet

Polyurea EP2

Premium Polyurea Lubricating Grease

Description

Nemco Polyurea EP Grease is a premium multi-purpose, long-life, and electric motor grease that exhibits excellent thermal stability, exceptional high-temperature capabilities and dielectric properties. Polyurea EP2 Grease has good shear stability compared to typical polyurea grease and has excellent water resistance characteristics performing well in areas where water washout is a major concern. It maintains its consistency under severe working conditions, and resists rust and oxidation.

Nemco Polyurea EP2 Grease has an excellent additive package enabling it to be used in severe applications as well as having extreme pressure properties. It has the exceptional ability to be used at severely high temperatures due to its reversibility characteristics and will maintain its structure.

Advantages

- EP Performance; extreme pressure properties reduce wear and maintenance costs.
- Long Life; oxidative and thermal stability leads to longer grease life.
- High Dropping Point; allows grease to handle high-temperature service.
- Water Resistance; ideal for wet environments.
- Fill for life capabilities.

Applications

- Centralized lube systems
- General machine lubrication
- High-temperature service
- Wet and harsh environments
- Shock and heavy load conditions
- CV and U-Joint chassis & wheel bearings
- “Sealed for life” bearings, electric motor bearings, rolling element bearings
- Suitable for applications requiring dielectric properties

Meets and/or Exceeds

Polyurea EP2: NLGI GC-LB for automotive chassis and wheel bearings

Important Note

Polyurea based grease is typically not compatible with other grease bases. If polyurea grease is replacing other soap-type greases, the system should be fully purged of the other grease to avoid the potential for incompatibility, and to get the full benefits of the polyurea grease technology.

Availability and product codes

Pack size	10x1 tube case	35lb pail	120lb keg	400lb drum
Polyurea EP2	GRGRZ0019	GRGRZ0063	GRGRZ0089	GRGRZ0112
Availability	Contact our Technical Sales Representatives			

Typical physical characteristics – Polyurea EP2 Grease

Properties	Method	EP2
NLGI Grade	ASTM D217	2
Soap/Thickener Type		Polyurea 12-14%
Texture / Colour		Smooth / Blue-Green
Penetration, Worked 60 Strokes	ASTM D217	275
Roll Stability	ASTM D1831	<2%
Dropping Point, °C (°F) (min)	ASTM D2265	260(500)
Viscosity, cSt @ 40°C		170-195
Viscosity, cSt @ 100°C		13-18
Viscosity Index		>95
Four-Ball Wear, Scar diameter	ASTM D2266	0.75 max
Corrosion Protection	ASTM D1743	Pass
Timken OK Load	ASTM D2509	45 min
Water Washout, 79°C (175°F) (max)	ASTM D1264	<5%
Pour Point, °C (°F)	ASTM 97	12 (54)

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

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.

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, 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.