



Product Data Sheet

Polyurea EP2 Polyurea based grease

DESCRIPTION

Nemco Polyurea EP2 Grease is premium non-soap, polyurea based (metals free) grease. Polyurea EP2 is fortified with rust and oxidation inhibitors as well as extreme pressure additives, and makes an excellent multipurpose grease with long life capability.

Nemco Polyurea EP2 Grease offers performance advantages over conventional soap thickened greases, in longer life, high temperature and wet applications. It performs well in areas where water washout is a major concern. The chemical and physical properties of Polyurea EP2 make it a superb all-purpose lubricating grease.

Polyurea EP2 Grease is a blue-green coloured grease of NLGI #2 consistency and with a typical operating temperature range of -40 °C to 163 °C.

Applications

- Recommended for use in automotive, agriculture, industrial and construction service.
- General machine lubrication
- High temperature service
- Wet and harsh environments
- Shock and heavy load conditions
- Chassis and wheel bearings

Note

In general, polyurea based grease is not compatible with other grease bases. If Polyurea EP2 grease is replacing other soap type greases, the system should be totally purged of the other grease to avoid the potential for incompatibility and to get the full benefits of the polyurea grease technology.

Meets and/or exceeds

- NLGI GC-LB for automotive chassis and wheel bearings



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Typical Characteristics – Polyurea EP2 Grease

NLGI Grade	EP2
Soap type	Polyurea
Texture	Smooth
Colour	Blue/Green
Worked penetration, 25°C 60 strokes	275
Rust prevention ASTM D1743, rating	Pass
Dropping point ASTM D1265, °C (°F) minimum	260 (500)
Four ball wear ASTM D2596, scar diameter (mm)	0.6
Four ball extreme pressure weld point ASTM D2596, kg	250
Timken OK load ASTM D2509, lb	45
Water Washout 80°C, D1264 (max)	5
Viscosity cSt @ 40°C cSt @ 100 °C	80 7.6
Viscosity index, min	95

Physical characteristics shown in the table are typical and may vary slightly.