

# Polytechnic® Premium EP Extreme Duty Grease

## Description:

Northland Polytechnic Premium EP® is a premium quality, multi-purpose, extreme pressure polyurea grease. Polytechnic Premium EP grease is formulated to provide exceptional performance in a wide variety of automotive, industrial, agricultural, and fleet applications. Polytechnic Premium EP is especially effective in demanding industrial applications where water washout resistance, extreme pressure performance, and thickener stability is imperative for extended lubrication intervals. The exceptional high temperature stability, oxidation resistance and wear control of Polytechnic Premium EP allow this grease to be used in high speed, severe service, anti-friction bearing applications including electric motors and associated components. Polytechnic Premium EP is also recommended for automotive applications such as wheel bearing, disc brake, and chassis lubrication applications where NLGI GC-LB qualified greases are specified. Polytechnic Premium EP is compatible with traditional lithium-based greases and most elastomer seal materials for maximum application versatility.

## Typical Properties- Northland Polytechnic Premium EP® Grease

NLGI Grade		2
Appearance		Teal Blue / Green
Thickener Type		Polyurea
Texture		Smooth, Buttery
Base Oil Viscosity, SUS @ 100°F	ASTM D-2161	850
Base Oil Viscosity Index	ASTM D-2270	95
Penetration, Worked 60XX	ASTM D217	265 - 295
Dropping Point °F, Min.	ASTM D2265	500°+
Timken, OK Load	ASTM D2509	45 lb. Min.
Four/Ball E.P.		
Weld Load Kg.	ASTM D2596	500
Load Wear Index	ASTM D2596	45
Ave. Scar Dia., mm	ASTM D2266	0.40
Water Washout, %	ASTM D1264	2% max.

## Applications:

Northland Polytechnic Premium EP grease can be confidently used in a wide variety of industrial lubrication applications including anti-friction bearings, high speed ball and roller bearings, gears, shaft couplings, and various electric motors and components. Polytechnic Premium EP grease will perform exceptionally well in automotive wheel bearing applications, and general chassis lubrication. Northland Polytechnic Premium EP grease is also recommended for use in on- and off-highway equipment applications including fifth wheels, couplers, pins, bushings and demanding agricultural equipment lubrication.