

# POLY-XTREME GREASE

## Polyurea High Temp Multipurpose Grease

### General Description

**Poly-Xtreme** grease is a premium non-soap thickened, heavy duty, multi-purpose, EP fortified grease. It is recommended for automotive, agriculture, industrial, and construction use. It has advantages over conventional soap thickened greases in longer life, high temperature and wet applications.

**Poly-Xtreme** qualifies for the highest NLGI performance level (GC-LB) for automotive chassis and wheel-bearing grease. Its excellent low temperature characteristics, water resistance and superior oxidation control allow for longer service.

**Poly-Xtreme** grease is formulated with a unique non-soap Polyurea thickener, selected base oils, and additives for high temperature operation strong oxidation and wear protection along with superior water resistance.

### Expect Outstanding Performance when used for:

- General Machine Lubrication
- High temperature applications
- Wet and harsh environments
- Shock and heavy load conditions
- Chassis and wheel bearings

### Features and Benefits

**Long Life:** Superior resistance to oxidation, thermal break down and oil separation providing longer grease life.

**E.P. Performance:** Excellent extreme pressure, film strength, and adhesion properties reduce wear and maintenance costs

**Water Washout Resistance:** The nature of the unique non-soap formulation gives it the ability to resist water spray-off and washout while staying in place under wet conditions.

**Wide operating range:** A dropping point over 500°F demonstrates this greases ability to handle high temperatures. It has a continuous operating temperature range of -25F to 350 F

**Rust and Corrosion Protection:** Excellent rust and corrosion prevention leads to prolonged protection under wet conditions.

**Compatibility:** If Polyurea greases are replacing other soap type greases, the system should be totally purged of the other grease to avoid the potential of incompatibility and to get the full benefits of the Polyurea grease technology

### Typical Application

- Poly-Xtreme** grease is recommended for:
- Fleet, Construction, Industrial bearings
  - Chassis and Wheel bearings (GC-LB)
  - Ball and universal joints
  - Crushers, pumps, conveyers

PDS-120-10

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### Typical Customer

- Agricultural Equipment Operator
- Industrial Manufacturing Plants
- Construction and Mining Operations
- Agriculture, Truck, and Auto Shops

### Health & Safety

A complete material safety data sheet is available upon request. Avoid prolonged or repeated skin contact. Wash clothing and exposed areas with soap and water. Don't pollute.

### Typical Properties

NLGI Grade #		2
Thickener		Polyurea
Color		Aqua Green
Texture		Smooth
Dropping point, minimum	ASTM D-566	>500° F
Penetration, 60 stroke (265-295)	ASTM D-217	284
Base oil viscosity ,cSt 40°C/100°C		118/12.5
Viscosity index		96
Timken	ASTM D-2509	60
Four ball wear scar	ASTM D-2266	0.4
Four ball EP weld	ASTM D-2596	500
Four ball load wear index	ASTM D-2596	78
Rust protection	ASTM D-1743	Pass
Oxidation stability @ 100/500/1000 hrs	ASTM D-942	5/7/10
Oil separation % separated	ASTM D-1742	0.3
Water washout % loss @ 100° F/175° F	ASTM D-1264	0/2
Wheel bearing life, hrs	ASTM D-3527	276
Low Temperature Torque @ -40°F	ASTM D-4693	6.5

The typical properties listed reflect the general characteristics of the product, and are not manufacturing specifications. Normal batch-to-batch variations should be expected.

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