

## 311 | Blue Max Grease

### Multipurpose Grease

**DESCRIPTION:**

Blue Max 311 is a smooth, deep blue, lithium complex grease formulated for operations from a minus 40°F but with a dropping point of 500°F.

**COMPOSITION:**

A high-quality, high-performance lithium complex grease.

**PERFORMANCE  
CHARACTERISTICS:**

**Mechanical Stability** - Blue Max 311 resists thinning or hardening in bearings, thereby minimizing leakage and maintaining extended, long life service.

**Oxidation And Corrosion Protection** - The high level of additive treatment minimizes chemical deterioration over extended periods of storage and service. Protects steel and copper alloy bearings against rust and corrosion.

**Extreme Pressure Protection** - The EP additives in Blue Max 311 provide effective wear protection for ball and roller bearings at high rpm and under heavy load.

**Formulation** - Superior quality refined lube stocks are combined with a high quality lithium complex thickener and additives under rigid laboratory and process control. Special compounding supplies beneficial anti-friction properties.

**Temperature Stability** - Blue Max 311 offers excellent low temperature pumpability and high temperature protection.

**Water Resistance** - It effectively resists washout and excessive dilution by water, assuring all-weather lubrication.

**APPLICATIONS:**

Blue Max 311 is an extreme pressure (EP) grease. Recommended for extended service in heavy duty equipment, high temp wheel bearings (disc brakes), high speed roller and ball bearings, electric motor bearings, throw out and all general industrial and automotive grease requirements. Blue Max 311 is recommended in soft and semi-fluid grades for extreme cold and for centralized lubrication systems. Blue Max 311 meets and exceeds GC/LB specification.



# PRIMROSE PLUS

## 311 Blue Max Grease Multipurpose Grease

### TYPICAL SPECIFICATIONS:

NLGI Grades	No. 2
Worked 60 Penetration, ASTM D217	265-295
Dropping Point, °F(°C)	500+(260+)
Thickener	Li-Complex
Water Washout, % loss, ASTM D1264	2.8 @175°F
Oil Separation, % loss, ASTM D1742	5 Max
Copper Corrosion, ASTM D4048	1b
Rust Prevention, ASTM D1743	Pass
Timken OK Load, lbs, ASTM D2509	60
Four-Ball Wear, mm, ASTM D2266	<0.6
Four-Ball EP Weld Point, kgf, ASTM D2596	400
Approximate Operating Temperature Range	-20 to 280° F
Texture	Smooth, Tacky
Color	Blue

### Base Fluid Properties:

Type	Mineral
Viscosity, ASTM D445	
mm <sup>2</sup> / sec, @ 40°C	220
mm <sup>2</sup> / sec, @ 100 °C	18