

# ROYAL 98 LITHIUM GREASE

## MULTI-PURPOSE LITHIUM COMPLEX GREASE

### Description

Royal 98 Grease is a Lithium complex base grease, formulated with highly refined base oil and specialty additives to meet severe requirements of machinery. The appearance is smooth, adhesive, slightly stringy and BLUE in color. This grease is capable of operations from minus 40°F to 350°F, but has a dropping point of more than 500°F. Royal 98 Grease resists thinning or hardening in bearings, thereby minimizing leakage and maintaining extended long life service. Royal 98 Grease has a specialty additives system minimizes chemical deterioration over extended periods of storage and service. Protects steel and copper alloy bearings against rust and corrosion.

### Health & Safety

See the most recent MSDS which is available directly from Precision Fluids, your local salesman, or authorized distributor. Precision Fluids uses only raw materials not listed as carcinogenic by IRAC.

### Specifications & Approvals

National Lubricating Grease Institute 147: NLGI 148;  
Rating GC-LB

### Physical Properties

Product Name	Royal 98 Lithium	Test Method
Color	Blue	Visual
Texture	Smooth, Tacky	Visual
NLGI Grade	2	ASTM D 217
Worked Penetration	280	ASTM D-217
Change in Pen after 100,000 strokes	30 max	
Drop Point, °F	500 min.	ASTM D 2265
Viscosity @ 40°C	224	ASTM D 445
Type of Thickener	Lithium Complex	
Weld Load, kg	315	ASTM D 2596
Timken OK Load, lbs	60	ASTM D 2509
Water Spray Off, %wt	15 max	ASTM D 4049
Rust Test	Pass	ASTM D-1743

### Features & Benefits

- Excellent mechanical stability
- Good oxidation and corrosion protection
- Outstanding extreme pressure protection
- Wide temperature operability ( - 40°F to + 350°F)
- Excellent water resistance
- Provides effective wear protection for ball joints, drive shafts and other parts subjected to high pressure and shock loading.
- Offers excellent low temperature pump ability and high temperature protection
- It effectively resists washout and excessive dilution by water, assuring all-weather lubrication.

### Applications

In general, this grease is recommended for extended service in heavy-duty automotive, trucks, buses, farm tractors, construction equipment, high temp wheel bearings (disc brakes), roller & ball bearings, electric motor bearings, throw-out bearings, universal joints, chassis, fifth wheel, etc. This grease is suitable for medium size high speed bearings. It is a robust multi-purpose grease for a wide range of applications.

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