

## Royal 98 EP Grease

### Multi-Purpose Lithium Complex Grease



#### PRODUCT DESCRIPTION:

**Royal 98 EP 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.

#### KEY FEATURES:

- Excellent mechanical stability
- Good oxidation and corrosion protection
- Outstanding extreme pressure protection
- Wide temperature operability ( - 40°F to + 350°F)
- Excellent water resistance

#### CUSTOMER BENEFITS:

- Resists thinning or hardening in bearings, thereby minimizing leakage and maintaining extended long life service
- Specialty additives system minimizes chemical deterioration over extended periods of storage and service. Protects steel and copper alloy bearings against rust and corrosion
- 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

#### SPECIFICATIONS AND APPROVALS:

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

#### PACKAGING:

Drums, Pails and Cartridges

**Royal 98 EP Grease**

**Multi-Purpose Lithium Complex Grease**



**Typical Properties**

Royal 98 EP Grease				
Product Number	910BB	910BA	910BF	Test Method
Color	Blue	Blue	Blue	Visual
Texture	Smooth , Tacky	Smooth , Tacky	Smooth , Tacky	Visual
NLGI Grade	1	2	3	ASTM D 217
Worked Penetration	320	280	235	ASTM D-217
Change in Pen after 100,000 strokes	30 max	30 max	30 max	
Drop Point , ° F	500 Min	500 Min.	500 Min.	ASTM D 2265
Viscosity @ 40 C ,cSt	224	224	224	ASTM D 445
Viscosity @ 100 C ,cSt	17.4	17.4	17.4	
Viscosity @ 100 F ,SUS	1194	1194	1194	
Viscosity @ 210 F ,SUS	89.9	89.9	89.9	
Type of thickener	Lithium complex	Lithium complex	Lithium complex	-
Weld load, kg	315	315	315	ASTM D 2596
Timken OK load , lbs	60	60	60	ASTM D 2509
Water Spray off, % wt	-	15 max.	12 max.	ASTM D 4049
Rust Test	Pass	Pass	Pass	ASTM D-1743

*Typical Properties are typical of those obtained with normal production tolerance and do not constitute essentially a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice.*

**Health and Safety:**

*When used for its intended application, this product is not expected to have any adverse health implications. For complete information on safe handling, as well as physical and chemical characteristics please refer to the Material Safety Data Sheet (MSDS) found on our website, [www.royalmfg.com](http://www.royalmfg.com), or call 918-584-2671. Do not use this product for purposes other than its intended use. Please be responsible to the environment when disposing of used product.*