

## PRODUCT DATA SHEET

### Monarch Synplex EP Grease

*Fully Synthetic Long Life & Arctic Applications Grease*



#### PRODUCT DESCRIPTION:

**Monarch Synplex EP #2 Grease** is multi-service fully synthetic oil based grease. This grease provides the extended long service life at continuously high operating temperatures and extreme pressure operations. It is based on lithium complex soap base thickener formulated with (PAO) poly alpha olefin base oil providing extended life in arctic or sub-zero temperatures with working temperature range – 40 °F to 350 °F.

This grease possesses extreme pressure/anti-wear, anti-corrosion & anti-oxidant characteristics to enhance its performance at higher speeds, heavy loads and at high temperatures.

**Monarch Synplex EP #2 Grease** has a dropping point of over +500 F, allowing it to perform in even the highest temperature environments.

#### KEY FEATURES:

- Synthetic PAO base oil
- Superior oxidation resistance and rust protection
- Outstanding extreme pressure protection
- Excellent Water Resistance

#### CUSTOMER BENEFITS:

- Suitable for high speed bearing running under different operating conditions. Works satisfactorily under extremely low temperatures. The specialized additives present in the grease protect equipment from chemical oxidation, rust and corrosion resistance, thus providing long service life
- Extends equipment life under continuous high operating temperatures and corrosive environments
- Provides effective wear protection for ball joints, drive shafts and other parts subjected to high pressure and shock loading
- It works effectively for extended periods of time under water ingress and in dusty/harsh environments

#### APPLICATIONS:

Recommended for high speed bearings at normal temperatures and medium bearing speeds at cold climates. Effective in applications such as kiln car, wheel bearings, roller bearings, oven door hinges, pellet mill bearings, slag bed shaker bearings, hot conveyor bearings and steam control valves and many other industrial, construction, mining, and automotive. **This product works extremely well in arctic or sub-zero temperatures!!**

#### SPECIFICATIONS AND APPROVALS:

National Lubricating Grease Institute (NLGI) rating GC-LB

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### PACKAGING:

Drums, Pails and Cartridges

## Typical Properties

Monarch Synplex EP Grease		
Product Number	911 BA	Test Method
Color	Blue	Visual
Texture	Smooth , Tacky	Visual
NLGI Grade	2	ASTM D 217
Worked Penetration	285	ASTM D-217
Change in Pen after 100,000 strokes	30 max	
Drop Point , ° F	500 Min.	ASTM D 2265
Operating Temperature	- 40 F to 350 F	
Viscosity @ 40 C ,cSt	31	
Viscosity @ 100 C ,cSt	6.0	
Viscosity @ 100 F ,SUS	158	ASTM D 445
Viscosity @ 210 F ,SUS	46	
Type of thickener	Lithium complex	-
4-Ball EP load, kg / LWI	315/ 50	ASTM D 2596
Timken OK load , lbs	40	ASTM D 2509
Soap %	8	-

*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.