



## Royal Volt Grease

### *High Performance Long-life Polyurea Grease*

**Royal Volt Grease** is premium quality multi-purpose, long-life, and electric motor grease. It exhibits excellent thermal stability, exceptional high temperature capabilities and excellent dielectric properties. It also has good shear stability even when compared to typical polyurea greases. This grease has excellent water resistance characteristics and will not washout. It maintains its consistency under severe working conditions, and resists rust and oxidation.

**Royal Volt Grease** has an excellent additive package enabling it to be used in severe applications as well as having extreme pressure properties. It has the exceptional ability to be used at severely high temperatures due to its reversibility characteristics and will maintain its structure.

#### Product Features:

- Excellent Extreme Pressure properties
- Very good oxidation and rust protection
- Outstanding High Temperature properties
- Good water resistance

#### Customer Benefits:

- Works under severe, heavy and shock load conditions
- Effective service in high temperature settings
- Provides effective lubrication for an extended period of time
- Does not washout under water ingress conditions
- Fill for the life capabilities

#### Applications:

- **Royal Volt Grease** is recommended for “sealed for life” bearings, electric motor bearings, rolling element bearings as well as a wide range of industrial applications. This grease is also suitable for applications where di-electric properties are needed. This grease is recommended for any application where high temperatures and heavy load conditions prevail.



## Typical Properties

### Royal Volt Grease

Product Number	994 BA	Test Method
Color	Blue	Visual
Texture	Smooth , homogeneous	Visual
Thickener Type	Polyurea	-
NLGI Grade	2	ASTM D 217
Worked Penetration Range	265-295	ASTM D 217
Drop Point, °F	500 Min	ASTM D 2265
Viscosity @ 40 °C, cSt	120-145	ASTM D 445
Weld load, kg	400 min	ASTM D 2596
Timken OK load , lbs	50	ASTM D 2509
Rust Test	Pass	ASTM D 1743
Water Washout, 175 °F, % wt.	5.0% Max.	ASTM D 1264
High Temperature life , @ 160 C	+ 300 hrs .	ASTM D 3527
Breakdown Voltage , volts/mil	+ 900	Mil-S-8660C / ASTM D 149

These properties are typical of the current production. Variations that do not affect product performance are to be expected depending on blending and manufacturing locations. The information above is subject to change without notice.

#### Health and Safety:



35 Lb. Pails



120 Lb. Kegs



400 Lb. Drums



2,000 Lb.  
Disposable Totes



50,000 Lb. Bulk

This product is unlikely to have any adverse health implications or safety hazards when used for its intended application. Avoid contact with skin, use resistant gloves when handling used oil. If skin comes in contact wash immediately with soap and water. For complete information on safe handling and product 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.