



Royal Ultimate 2500 Grease

Non-Asphaltic Bushings, Open Gear Grease

Royal Ultimate 2500 Grease is a premium high quality, semi-fluid grease with an aluminum complex soap, very high viscosity base oil and does not contain any asphalt. The product is fortified with a synergistic combination of powerful, solid lubricants and a superior extreme pressure, anti-wear package. This product has been developed to withstand extremely heavy load, slow moving, large open gear drives operating in very hostile environments.

Royal Ultimate 2500 Grease exhibits a smooth spray pattern with most spray systems able to form a strong film across heavy gear surfaces better than asphaltic compounds and thus reducing the grease consumption and provide better lubrication. This grease can be applied by spray systems and also through dipping or brushing procedures.

This product is not recommended for very cold climate. In cold climate operations Royal Ultimate 1000 grease is recommended.

Product Features:

- Semi-fluid and sprayable with a smooth pattern
- Tacky, adhesive and very high film strength on gear teeth
- Outstanding extreme pressure EP and anti-wear AW properties
- Excellent water resistant WR properties
- Excellent thermal and shear stability
- Asphalt and chlorine free
- Long shelf life

Customer Benefits:

- NLGI 00 consistency provides the lubrication advantages of fluid with the tackiness and adhesive characteristics of grease
- Superior additive chemistry to protect metal surfaces during stop-rum conditions and provides a long life to very expensive equipment
- Protects gears from breakdown and wear under heavy and shock loads; thus reduces maintenance cost
- Long retention on surface giving full protection under water ingress conditions
- No breakdown or run-out over long period of use and even at high temperatures



Applications:

- Royal Ultimate 2500 Grease is a high performance service lubricant for heavily loaded gears for construction, mining, cement, iron, paper, sugar mills and other industrial equipment where extreme operating conditions prevail. This product is recommended for large open gears, bushings, rotary kilns, ball, rod and sag mills, dryers, debarking drums, excavators, shovels, large chains and other rotating machinery with open gear drives. It can be also used as a wire rope due to its outstanding wear and water resistance.

Typical Properties

Royal Ultimate 2500 Grease

Product Number	979 MD	979 MC	Test Method
NLGI Grade	00	0	ASTM D217
Base Oil Viscosity @40°C, cSt	>2500	>2500	ASTM D445
Operating Temperatures	-18°C to 150°C (0°F) to (300°F)	-18°C to 150°C (0°F) to (300°F)	ASTM D445
Water Resistance	Fully Resistant	Fully Resistant	DIN-51807
FZG A/2, 76/50 – load – storage	>12	>12	-
FZG A/2, 76/50 – specific wear, Mg/kWh	<0.2	<0.2	ASTM D2265
Worked Penetration @25°C	400-430	355-385	ASTM D217
Thickener Type	Aluminum Complex	Aluminum Complex	-
Color	Black	Black	Visual
Weld Load, kg	800	800	ASTM D2596
Timken OK Test, Lbs.	45	45	ASTM D2509
Sprayability	Sprayable	Sprayable	-

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:

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 or call (918)-584-2671.

Packaging options:



35 Lb. Pails



400 Lb. Drums



2,000 Lb.
Disposable Totes



50,000 Lb. Bulk