



Royal Ultimate 2500 Grease

Non-Asphaltic, High Viscosity Open Gear Lubricant (OGL) and Also Recommended for Bushings and Wire Ropes

Royal Ultimate 2500 Grease is a premium high quality, solvent free semi-fluid grease with an aluminum complex soap, very high viscosity base oil and does not contain any asphalt or chlorinated solvent. The product is fortified with innovative Isogold Technology and with synergistic combination of solid lubricants and other superior extreme pressure, anti-wear, anti-rust additives. This product is similar to Royal Ultimate 1000 except it's with higher viscosity and recommended in application where either application / OEM requires 2500 or higher viscosity.

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. In cold climate conditions, either NLGI000 grade or 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 properties

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
- 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 ME	Test Method
NLGI Grade*	00	000	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	445-475	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	-

*Can be made in other NLGI greases as well

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.

