

PRODUCT DATA SHEET

Royal Ultimate 1000 Grease

Non-Asphaltic Bushings, Open Gear Grease



PRODUCT DESCRIPTION:

Royal Ultimate 1000 Grease is a premium high quality, semi-fluid grease with an aluminum complex soap, 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. This grease exhibits a smooth spray pattern with most spray systems able to form a strong film across heavily gear surfaces 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.

KEY FEATURES:

- Semi-fluid and sprayable with a smooth patten
- Tacky, adhesive and 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 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
- Eliminates lubricant buildup at surface

APPLICATIONS:

Royal Ultimate 1000 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.

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PACKAGING:

Drums

Typical Properties

Royal Ultimate 1000 Grease		
Product Number	971 MD	Test Method
NLGI Grade	00	ASTM D217
Base Oil Viscosity@40°C, cSt	>1000	ASTM D445
Operating Temperatures	-18°C (0°F) to 150°C (300°F)	ASTM D445
Water Resistance	Fully Resistant	DIN-51807
FZG A/2, 76/50 – load – storage	>12	-
FZG A/2, 76/50 – specific wear, Mg/kWh	<0.2	ASTM D2265
Worked Penetration@25°C	410	ASTM D217
Thickener Type	Aluminum Complex	-
Color	Black	Visual
Weld Load, kg	800	ASTM D2596
Timken OK Test. Lbs	45	ASTM D2509
Sprayability	Sprayable	-

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, 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.