

PRODUCT DATA SHEET

Royal Ultra 865M Grease **Heavy Duty Calcium Sulfonate Moly Grease**



PRODUCT DESCRIPTION:

Royal Ultra 865M Grease has been carefully formulated using high viscosity base oil and overbased calcium sulfonate complex thickener system fortified with Moly and special additives providing this grease an outstanding Extreme Pressure properties, exhibiting excellent water repellency, oxidation resistance, and a wide operating temperature range.

Royal Ultra 865M Grease is formulated with an innovative and synergistic combination of solid lubricants which physically adhere to the metal surfaces and form a strong protective film, preventing welding and reduce friction even under the most severe operating conditions such as very heavy and shock loads.

Solid lubricants act like a deck of playing cards. The cards slide easily with horizontal movement and withstand extreme pressures when downward force is applied.

Royal Ultra 865M Grease is a heavy-duty extreme pressure grease formulated using high viscosity oil thus exhibiting outstanding film strength and resistance to corrosive saltwater environments.

Royal Ultra 865M Grease meets and exceeds the demanding automotive and industrial testing requirements of ASTM D 4950, earning it the GC-LB classification by the National Lubricating Grease Institute. This grease also meets Caterpillar CAT 5% moly requirements.

KEY FEATURES:

- Calcium sulfonate base with Moly
- High viscosity base oil
- Water Resistant
- Outstanding Extreme Pressure properties
- Wide temperature operability
- Superb rust protection properties

CUSTOMER BENEFITS:

- Extended service life of equipment
- Excellent performance under heavy and shock loads
- Extraordinary performance at high and low temperatures
- Protects equipment from rusting under humid and water ingress conditions

APPLICATIONS:

Royal Ultra 865M Grease is an obvious choice for virtually any multi-purpose or severe extreme pressure application, particularly where the end user prefers a Moly fortified grease. It is recommended for the most severe applications in off-highway construction, mining equipment, earth moving machines, Caterpillar equipment, as well as other heavy-duty construction and mining equipment moving at slow to medium speed .

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Royal Ultra 865M Grease is an excellent choice for sealed bearings, rolling element bearings and other range of industrial applications where high temperatures and heavy load conditions prevail.

PACKAGING:

Drums, Pails and Cartridges

Typical Properties

Royal Ultra 865M Grease			
Product Number	951TB	951TA	Test Method
Thickener Type	Calcium Sulfonate Complex		-
Texture	Smooth		Visual
Color	Gray, Black		Visual
NLGI Grade	1	2	ASTM D217
Worked Penetration@25°C	320	282	ASTM D217
Drop Point, °F	+500	+550 min	ASTM D2265
Viscosity@40°C, cSt	461		
Viscosity@100°C, cSt	30.2		ASTM D445
Viscosity@100°F, SUS	2474		
Viscosity@210°F, SUS	148.2		
Wheel Bearing Leakage, gm	4.5	2.5	ASTM D1263
Solid Lubricants, %	5.0		
Weld Load, kg	620		ASTM D2596
Load Wear Index	65		ASTM D2596
Timken OK load, lbs	>65		ASTM D2509

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.