

# TOUGHLIX GREASE RB

TOUGHLIX GREASE RB is a mineral-oil-based lithium complex soap thickened grease, containing performance additives. TOUGHLIX GREASE RB has superior shear stability, heat resistance and water resistance due to its unique manufacturing method and strong thickener micell structure. TOUGHLIX GREASE RB which is formulated with most suitable organic molybdenum compound, extreme pressure (EP) agents and rust inhibitors, exhibits exceptional load carrying and anti-wear properties and excellent corrosive preventive property. TOUGHLIX GREASE RB is a multipurpose grease especially intended for use in roller bearings operating.

## ● SPECIAL FEATURES

### 1. Outstanding Heat Resistance

TOUGHLIX GREASE RB formulated with lithium complex soap can withstand higher temperatures than traditional lithium greases and exhibits little penetration change. This grease can be used in a very wide temperature range, from -20°C to 175°C.

### 2. Small Bearing Temperature Rise

TOUGHLIX GREASE RB has better fluidity compared to lithium soap greases, so that it will prevent bearing temperature rise. It is expected to prolong the life of instruments.

### 3. Good Rust Protection and Water Resistance.

TOUGHLIX GREASE RB is fortified with excellent rust and corrosion inhibitors, so that it will provide superior rust protection under severe operating conditions. This product also has good water resistance.

### 4. Outstanding anti-wear and high extreme pressure characteristics

TOUGHLIX GREASE RB, which is formulated with organic molybdenum compound and extreme pressure agent, exhibits outstanding anti-wear and high extreme pressure characteristics. Its excellent performances were recognized in road test using trailer with load capacity of over 100 tons.

## ● Application

#### (1) Rolling bearings of large-size industrial machines

- Bearings of paper machine partially wetted with acidic water which support the rolls in paper- manufacturing company

- Bearings of large size industrial machines used in acidic atmosphere at galvanizing plant

- (2) High-load wheel bearings of large-sized vehicles
- (3) Rolling bearings of electric motor, blower and others
- (4) Lubrication point under severe conditions of heat, load and water-soak

## ● CONTAINERS

180kg drums, 16kg cans, and 400g squeeze tubes.

## ● Typical Properties of TOUGHLIX GREASE RB

Grade	0	1	2
Appearance	Light brown buttery	Light brown butter	Light brown butter
Penetration (25 °C, Worked 60 Strokes)	363	315	267
Dropping point °C	245	Over 250	Over 250
Oil separation (100°C,24h), mass%	8.6	3.2	0.3
Copper corrosion (100°C,24h)	No color change	No color change	No color change
High speed four-ball test Weld load, N	Over 3089	Over 3089	Over 3089
Corrosion preventive property EMCOR test: artificial water	#0(no corrosion)	#0(no corrosion)	#0(no corrosion)
Water washing resistance (38°C,1h) , mass%	9.6	2.0	0.8



## Handling Precautions

▼ Follow these precautions when handling this product.

<b>! CAUTION</b>  <b>Handling Precautions</b>	<ul style="list-style-type: none"><li>● <u>Inflammation can occur if grease enters the eyes.</u> When handling this grease, wear <u>protective goggles</u> or take other measures to <u>prevent eye contact</u>.</li><li>● <u>Inflammation can occur if grease comes into contact with skin.</u> When handling this grease, wear <u>protective gloves</u> or take other measures to <u>prevent skin contact</u>.</li><li>● Do not eat this grease. (Swallowing this grease can cause diarrhea and nausea.)</li><li>● <u>When opening the container, wear protective gloves</u> in order to avoid cutting your hands.</li><li>● <u>Keep out of reach of children.</u></li><li>● Read the Material Safety Data Sheet (MSDS) for this product before using the product. Obtain the Material Safety Data Sheet from where you purchased the product.</li></ul>
<b>First Aid</b>	<ul style="list-style-type: none"><li>● In case of eye contact, rinse eyes thoroughly with clean water and consult with a physician.</li><li>● In case of skin contact, wash skin thoroughly with soap and water.</li><li>● If this grease is swallowed, do not induce vomiting. Consult with a physician immediately.</li></ul>
<b>Disposal of Used Grease and Containers</b>	<ul style="list-style-type: none"><li>● Do not apply pressure to empty containers. The containers may burst if pressure is applied.</li><li>● Do not weld, heat, drill, or cut the containers. The remaining grease may ignite and the containers may explode.</li><li>● Follow all applicable laws and regulations when disposing of used grease or containers. If you are unsure of the proper disposal methods, consult first with the seller of the grease.</li></ul>
<b>Storage Method</b>	Seal the container tightly after use in order to prevent dirt, moisture, etc., from entering the grease. Store in a dark location. Avoid direct sunlight.