

# MULTINOC DELUXE

## Long Life Grease For High Speed Roller Bearings Operating at High Temperatures

MULTINOC DELUXE is a high-quality lubricating grease intended for use in ball and roller bearings operating at high speeds and high temperatures. It is made from a highly refined mineral oil, lithium soap, and special sodium soap.

### ● SPECIAL FEATURES

#### 1. Long Life at High Temperatures

MULTINOC DELUXE has been carefully designed to ensure longer life. Its thickeners and antioxidants are very resistant to high temperatures, and its base oil suffers very little evaporation loss. As a result, MULTINOC DELUXE provides over twice as long bearing lubrication life when compared with conventional lithium-type high-grade roller bearing greases. In addition, the maximum usable temperature of MULTINOC DELUXE has been raised to 135°C.

#### 2. Resolving abnormal bearing noise

MULTINOC DELUXE does not generate abnormal bearing noise since it uses thickener with excellent induction properties and highly refined mineral oil with excellent lubricity. MULTINOC DELUXE can resolve abnormal bearing noise of bearings which generate abnormal noise with conventional lithium-type high-grade roller bearing greases.

#### 3. Excellent Water Resistance and Rust Prevention

Because the thickeners used in MULTINOC DELUXE have excellent water resistance, there is no need to worry about this grease being washed away by water or leaking if water enters the grease. In addition, the grease's rust preventive property has been boosted, so it helps to prevent bearing rust even under tough operating conditions.

### ● APPLICATIONS

MULTINOC DELUXE provides outstanding lubrication performance in high-speed roller bearings. It can be used in roller bearings for a wide range of applications, including compact high-speed motors, electric motors of all types, machine tools, textile machinery, etc.

We especially recommend MULTINOC DELUXE for machinery that had problems with short grease life at high temperatures when conventional roller bearing greases were used.

### ● CONTAINERS

16-kg can and 400 g bellows-type tube (20 pcs.).

### ● Typical Properties of MULTINOC DELUXE

Grade	1	2	
Thickener	Lithium soap and Special sodium soap		
Appearance	Light brown, Semi solid		
Base oil type	Mineral oil		
Base oil viscosity (100°C)	mm <sup>2</sup> /s	9.50	9.50
Penetration (25°C, Worked 60 strokes)		318	277
	(25°C, Worked 100,000 strokes)	348	313
Dropping Point	°C	200	202
Oil Separation (100°C, 24h)	mass%	4.2	2.1
Evaporation Loss (99°C, 22h)	mass%	0.49	0.51
Oxidation Stability (99°C, 100h)	kPa	35	40
Water Washout (38°C, 1h)	mass%	3	1
Approx. Operating Temperature Range	°C	-20 to 135	

Note: The typical properties may be changed without notice. (March 2024)



## Handling Precautions

▼ Follow these precautions when handling this product.

<b>Composition :</b>	Base Oil(s), Thickener, Additives
<b>Hazard pictograms:</b>	Not applicable
<b>Signal word:</b>	Not applicable
<b>Hazard Statement:</b>	Harmful to aquatic life Harmful to aquatic life with long lasting effects
<b>Precautionary Statements:</b>	<ul style="list-style-type: none"><li>• Do not handle until all safety precautions have been read and understood.</li><li>• Wear protective gloves/protective clothing/eye protection/face protection.</li><li>• Do not allow the eyes to become exposed to the product. Do not swallow the product.</li><li>• Avoid release to the environment.</li><li>• Wash hands thoroughly after handling.</li><li>• Do not eat, drink or smoke when using this product.</li></ul>
<b>Prevention</b>	
<b>Response</b>	<ul style="list-style-type: none"><li>• IF SWALLOWED: Immediately call a POISON CENTER/doctor.</li><li>• IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</li><li>• If the eyes are exposed to the product: Rinse the eyes with plenty of running water and immediately contact a physician.</li><li>• IF ON SKIN: Wash with plenty of soap and water.</li></ul>
<b>Storage</b>	<ul style="list-style-type: none"><li>• The product must be stored in a cool, well-ventilated location where it will not be exposed to direct sunlight.</li><li>• Containers that have been opened must be tightly sealed.</li></ul>
<b>Disposal</b>	<ul style="list-style-type: none"><li>• Dispose of contents/container in accordance with local/regional/national/international regulations.</li><li>• If there are any doubts about proper methods of handling the product, contact the point of purchase before proceeding with usage.</li></ul>