



# PYRONOC UNIVERSAL 0

## A MULTIPURPOSE DIUREA EXTREME-PRESSURE GREASE

PYRONOC UNIVERSAL 0 is a multipurpose diurea extreme-pressure grease containing both organic urea compound thickener with outstanding thermal and water resistance and lead-free extreme-pressure agents for excellent extreme-pressure performance.

It is particularly suited for centralized grease filling in steelmaking equipment and other heavy-duty applications.

### ● SPECIAL FEATURES

#### 1. Outstanding Thermal Resistance

PYRONOC UNIVERSAL 0 offers superior lubrication with little leaking because its high dropping point of over 250°C prevents softening and oil separation even at high temperatures.

#### 2. Excellent EP Performance

Because PYRONOC UNIVERSAL 0 delivers excellent EP performance, it continues to work well even at lubrication points subjected to heavy loads and strong shocks in steelmaking and other heavy-duty machinery.

#### 3. Superb Water Resistance

At lubrication points that must be exposed to large amounts of cooling water, such as the bearings of continuous casting and hot-rolling machines, water resistance is a vital factor not only for lubrication but also for waste water treatment.

PYRONOC UNIVERSAL 0 provides superb water resistance because it does not rinse away easily even when it comes into contact with water, nor does it soften easily when mixed with water.

#### 4. Outstanding Oxidation Stability

PYRONOC UNIVERSAL 0 delivers outstanding oxidation stability because its organic urea compound thickener have absolutely no metallic or ash content, its base oil is highly refined mineral oil, and it is blended with high-performance antioxidants.

#### 5. Superior Centralized Lubrication Performance

Any grease used with centralized lubrication must force feed well, provide excellent slumpability, and resist plugging.

Since PYRONOC UNIVERSAL 0 offers superior performance in each of these areas, it is the ideal grease for centralized lubrication.

### ● APPLICATIONS

Continuous casting machines, hot-rolling machines, and other steelmaking machinery; glass and cement machines; driers, boilers, furnaces, and thermal processing equipment for the paper, pulp, fiber, chemical, home appliance, and automotive industries.

### ● CONTAINERS

180-kg drums and 16-kg cans.

### TYPICAL TEST DATA FOR PYRONOC UNIVERSAL 0

Thickener		Organic urea compounds
Base oil viscosity (40°C)	mm <sup>2</sup> /s	506
(100°C)	mm <sup>2</sup> /s	322
Penetration (60 strokes)		375
(100,000 strokes)		436
Dropping point	°C	Over 250
Oil separation (100°C, 24h)	mass%	4.0
Ash content	mass%	0.04
Evaporation (99°C, 22h)	mass%	0.0147
Oxidation stability (99°C, 100h)	MPa	0.0147
Rinsed water resistance (79°C, 1h)	mass%	0
Timken value	kg	18



## 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.