



# Pyronoc Universal N6C

## Fretting-Preventive Grease for Wheel Bearings

Pyronoc Universal N6C grease is made from organic urea thickeners, highly refined mineral base oils, and a select blend of additives, including fretting resistance improvers. It is the ideal grease for preventing fretting wear caused by small-amplitude motions.

### ● SPECIAL FEATURES

1. Excellent heat resistance thanks to high dropping point and low oil separation and evaporation loss.
2. Outstanding mechanical stability.
3. Good water resistance with very little washout.
4. Excellent rust prevention.
5. Excellent leaking resistance.
6. Excellent fretting prevention, as shown by the very small amounts of wear in the fretting wear protection test.

### ● APPLICATIONS

- (1) Unit wheel bearings
- (2) Machines that require fretting resistance

### ● CONTAINERS

180-kg drums and 16-kg pail cans.

### ● Typical Properties of Pyronoc Universal N6C

	Urea
Thickeners	Mineral oil
Base oils	
Type	Mineral oil
Kinematic viscosity (100°C), mm <sup>2</sup> /s	10.7
Penetration (25°C, 60 strokes)	282
Worked penetration (25°C, 100,000 strokes)	365
Dropping point, °C	> 230
Oil separation (100°C, 24 h), mass%	0.8
Evaporation (99°C, 22 h), mass%	0.6
Oxidative stability (99°C, 100 h), kPa	10
Copper strip corrosion (100°C, 24 h)	No change
Water washout resistance (79°C, 1 h), mass%	1.4
ASTM rust prevention test	Level 1*
(25°C, 48 h, distilled water)	(no rust)
(25°C, 48 h, 1% NaCl water solution)	Level 1*
	(no rust)
Leakage (104.5°C, 6 h), g	1.8
Fretting wear protection test (Fafnir method, based on ASTM D4170), mg	0.8

\* Level 1: No rust.

Level 2: 1 or 2 rust spots.

Level 3: 3 or more rust spots.

Note: The typical properties may be changed without notice. (June 2005)



## 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.
PL-50	GRS-7039-0506E