

# 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 drum and 16-kg pail can

### ● Typical Properties of Pyronoc Universal N6C

Appearance	Light brown, Semi solid
Thickener	Urea
Base oil	Mineral oil
Type	10.9
Kinematic viscosity (100°C), mm <sup>2</sup> /s	293
Penetration (25°C, 60 strokes)	372
Worked penetration (25°C, 100,000 strokes)	243
Dropping point, °C	1.3
Oil separation (100°C, 24 h), mass%	0.6
Evaporation (99°C, 22 h), mass%	5
Oxidation stability (99°C, 100 h), kPa	No color change
Copper strip corrosion (100°C, 24 h)	2
Water washout resistance (79°C, 1 h), mass%	Level 1*
ASTM rust prevention test (25°C, 48 h, distilled water)	(no rust)
(25°C, 48 h, 1% NaCl water solution)	Level 1*
Humidification test (14 days)	(no rust)
Leakage (104.5°C, 6 h), g	A (no rust)
Fretting wear protection test (Fafnir method, based on ASTM D4170), mg	0.5
Approx. operating temperature range, °C	0.8
	-20 to 175

\* 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. (March 2024)



## Handling Precautions

▼ Follow these precautions when handling this product.

<b>Composition :</b>	Base Oil(s), Thickener, Additives
<b>Hazard pictograms:</b>	
<b>Signal word:</b>	Warning
<b>Hazard Statement:</b>	May cause an allergic skin reaction
<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>• Contaminated work clothing should not be allowed out of the workplace.</li><li>• Avoid breathing dust/fume/gas/mist/vapours/spray.</li><li>• Wash hands thoroughly after handling.</li><li>• Do not eat, drink or smoke when using this product.</li></ul>
<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><li>• If skin irritation or a rash occurs: Get medical advice/attention.</li><li>• Take off contaminated clothing and wash before reuse.</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>