

PYRONOC UNIVERSAL

A MULTIPURPOSE EXTREME-PRESSURE GREASE

PYRONOC UNIVERSAL grease is formulated with mineral base oil, organic urea compound thickener, extreme-pressure agent and other carefully selected additives. PYRONOC UNIVERSAL is an excellent lubricating grease for electric motors, steel-making machinery, machine tools, ships, automobiles, and many other applications.

● SPECIAL FEATURES

1. Superior Heat Resistance

Due to the use of urea compound as the thickener, PYRONOC UNIVERSAL exerts little penetration change at the high temperature and keeps superior lubricity.

2. Excellent Load-Carrying Performance

Since PYRONOC UNIVERSAL has outstanding load-carrying performance, it provides excellent performance even under lubrication point where severe high-load or the shock load is subjected.

3. High Resistance to Water

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 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 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. High Shear Stability

PYRONOC UNIVERSAL is very resistant to softening caused by shear, so it will not leak or lose lubrication performance easily even in gears and high-speed rotating components.

● APPLICATIONS

- Bearings of steel-making machinery: Continuous casting machines, rolling mills, forging machines, presses
- Bearings and gears of various industrial equipment and machine tool
- Bearings of electric motor and blower
- Bearing of various machines related to fishing boat
- Joint, pin, bearing and other grease point of construction machine and heavy industrial machine

● CONTAINERS

180kg-drum, 16-kg pail can, 2.5-kg can (6 pcs.) and 400 g bellows-type tube (20 pcs.)

● **TYPICAL TEST DATA FOR PYRONOC UNIVERSAL**

Grade (NLGI No.)		0	1	2
Soap type		Organic urea compounds		
Appearance		Light yellow, Semi solid		
Base oil viscosity (100°C)	mm ² /s	31.5	15.8	15.8
Penetration (25°C, 60 strokes)		364	323	275
	(25°C, 100,000 strokes)	425	329	285
Dropping point	°C	Over 250	Over 250	Over 250
Oxidation stability (99°C,100h)	kPa	5	5	5
Copper strip corrosion (100°C,24h)		Passed	Passed	Passed
Water wash out (79°C,1h)	mass%	4	1	0
ASTM four-ball test(1800r/min), WL	N	2450	2450	2450
Approx. operating temperature range	°C	-20 to 175		



Handling Precautions

▼ Follow these precautions when handling this product.

Composition :	Base Oil, Thickener, Additives
Precautionary pictograms:	
Signal word:	Warning
Hazard Statement:	May cause an allergic skin reaction Harmful to aquatic life Harmful to aquatic life with long lasting effects
Precautionary Statements:	<ul style="list-style-type: none"> • Do not handle until all safety precautions have been read and understood. • Wear protective gloves/protective clothing/eye protection/face protection. • Do not allow the eyes to become exposed to the product. Do not swallow the product. • Avoid release to the environment. • Contaminated work clothing should not be allowed out of the workplace. • Avoid breathing dust/fume/gas/mist/vapours/spray. • Wash hands thoroughly after handling. • Do not eat, drink or smoke when using this product.
Response	<ul style="list-style-type: none"> • IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. • IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. • If the eyes are exposed to the product: Rinse the eyes with plenty of running water and immediately contact a physician. • IF ON SKIN: Wash with plenty of soap and water. • Take off contaminated clothing and wash before reuse. • If skin irritation or a rash occurs: Get medical advice/attention.
Storage	<ul style="list-style-type: none"> • The product must be stored in a cool, well-ventilated location where it will not be exposed to direct sunlight. • Containers that have been opened must be tightly sealed. • Store locked up.
Disposal	<ul style="list-style-type: none"> • Dispose of contents/container in accordance with local/regional/national/international regulations. • If there are any doubts about proper methods of handling the product, contact the point of purchase before proceeding with usage.