



PYRONOC UNIVERSAL 2

A MULTIPURPOSE, SUPER-LONG-LIFE GREASE

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

● SPECIAL FEATURES

1. Super Long Life

Since UNIVERSAL lasts longer than other greases, the time between grease changes is longer, and the costs for purchasing grease and maintenance are reduced.

2. Superior Heat Resistance

With a dropping point above 250°C and very little change in penetration because of temperature, UNIVERSAL is the ideal grease for hot lubrication spots. (However, it cannot be used in places exposed to high-pressure steam.)

3. High Shear Stability

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.

4. High Resistance to Water

UNIVERSAL resists being washed away by water, so lubrication problems are avoided and water draining becomes easier.

5. High Load Carrying Capacity

UNIVERSAL has excellent load resistance, so it keeps bearings and sliding parts from seizure.

● APPLICATIONS

Steel-making machinery: Continuous casting machines, rolling mills, forging machines, presses

Furnaces and driers: Bearings (all types)

Industrial machinery (all types): Sliding parts, bearings (all types), gears (all types)
Machine tools (all types): Sliding parts, bearings (all types), gears

Electric motors, blowers, pumps: Antifriction

bearings

Fishing boats: Fishing machinery, deck machinery, stern equipment, pumps

Ships: Deck machinery, stern equipment, pumps

Automobiles: Wheel bearings, chassis equipment, universal joints, water pumps

Heavy construction machinery: All types of joints, pins, bearings, and rollers; wheel bearings; water pumps; and other grease lubrication locations

Heavy load machinery (all types): Wheel bearings, pins (all types), bearings (all types), water pumps, universal joints

● CONTAINERS

Drums, 16-kg pail cans, and 2.5-kg cans.

TYPICAL TEST DATA FOR PYRONOC UNIVERSAL 2

Penetration (UW)		273
(60W)		285
Dropping point	°C	Over 250
Oil separation (100°C, 24h)	mass%	0.7
(150°C, 24h)	mass%	1.2
Evaporation (99°C, 22h)	mass%	0.54
Oxidation stability (99°C, 100h)	MPa	0.0196
Copper strip corrosion (100°C, 24h)		Passed
Carbon residue	mass%	1.50
Sulfate ash content	mass%	0.02
Water wash out (79°C, 1h)	mass%	0.0
Four-ball test		
Weld point	kg	250
Load-wear index		32.6
Timken OK load	kg	18
ASTM rust prevention (52°C, 48h)		1



Handling Precautions

▼ Follow these precautions when handling this product.

! CAUTION Handling Precautions	<ul style="list-style-type: none">● <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>.● <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>.● Do not eat this grease. (Swallowing this grease can cause diarrhea and nausea.)● <u>When opening the container, wear protective gloves</u> in order to avoid cutting your hands.● <u>Keep out of reach of children.</u>● 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.
First Aid	<ul style="list-style-type: none">● In case of eye contact, rinse eyes thoroughly with clean water and consult with a physician.● In case of skin contact, wash skin thoroughly with soap and water.● If this grease is swallowed, do not induce vomiting. Consult with a physician immediately.
Disposal of Used Grease and Containers	<ul style="list-style-type: none">● Do not apply pressure to empty containers. The containers may burst if pressure is applied.● Do not weld, heat, drill, or cut the containers. The remaining grease may ignite and the containers may explode.● 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.
Storage Method	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.