



PYRONOC GREASE

A HIGH-TEMPERATURE, LONG-LIFE GREASE

PYRONOC GREASE is a high-temperature, long-life grease with excellent heat resistance, oxidation stability, mechanical stability, and water resistance. Nippon Oil's researchers were able to provide PYRONOC GREASE with these superior features through their development of a synthetic polyurea thickener having no ash content.

● SPECIAL FEATURES

1. Superior Heat Resistance

PYRONOC GREASE has a high dropping point and shows little softening or oil separation even when exposed to high temperatures, so it ensures good lubrication with little grease leakage.

2. Superior Oxidation Stability

PYRONOC GREASE has extremely good oxidation stability. Even at high temperatures, it can be used for long periods without being replaced. Conventional soapbased greases and bentone greases contain metal and ash, which increase oxidation deterioration. Since PYRONOC GREASE contains no ash, there is no increase in oxidation deterioration. Its superior oxidation stability also results from its highly refined base oils and high performance oxidation preventives.

3. Superior Mechanical Stability

Even at high temperatures, the structure of PYRONOC GREASE is stable. When sheared by bearings, it exhibits little softening and almost no leaking.

4. Superior Water Resistance

PYRONOC GREASE possesses extremely good water resistance. Even if it becomes mixed with water, it shows little change in its penetration and there is no danger that the grease will flow from the position of lubrication.

5. Superior Feeding

Since PYRONOC GREASE has low pipe

resistance, it can be supplied smoothly when used with concentrated feeding. Since PYRONOC GREASE also shows little softening at high temperatures, you can use 0 grade even in machines where you have been using 1 or 2 grade grease.

● GRADES

PYRONOC GREASE comes in three grades, 0, and 2, which vary according to their penetration. The grade numbers correspond to the grease's NLGI numbers.

● APPLICATIONS

PYRONOC GREASE is most appropriately used as a lubricant in the following places.

- Locations that demand high-temperature, long-life performance and where supplying or replacing grease is not easy.
- Locations where product damage caused by grease needs to be avoided.
- Locations where mixing with water is unavoidable.

● EXAMPLES OF USE

Continuous casting equipment, blast furnace cranes, and other steelworking equipment; glass and cement machinery; driers for the paper, pulp, textile, chemical, home appliance, and automobile industries; boilers; furnaces; heat processing equipment.

● SHIPPING CONTAINERS

180 kg drums, 16 kg cans, and 2.5 kg cans.

TYPICAL TEST DATA FOR PYRONOC GREASE

PYRONOC GREASE Grades		0	1	2
Thickener			Synthetic polyurea	
Base oil viscosity(100°C)	mm ² /s	31.4	10.3	10.3
Penetration(25°C, 60W)		374	328	288
(25°C, 100,000W)		392	360	315
Dropping point	°C	Over 250	Over 250	Over 250
Evaporation(99°C,22h)	mass%	0.11	0.46	0.46
Oxidation stability(99°C,100h)	MPa	0.0147	0.0147	0.0147
Oil separation(100°C,24h)	mass%	5.2	2.7	1.2
Water washing resistance(79c, 1h)	mass%	4.0	3.0	1.8
Ash content	mass%	0.020	0.021	0.022



Handling Precautions

▼ Follow these precautions when handling this product.

! CAUTION Handling Precautions	● <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.) ● When opening the container, <u>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 ● 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 ● 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.