

PYRONOC UNIVERSAL MT 00

Urea grease for machine tools

PYRONOC UNIVERSAL MT 00 is formulated with mineral base oil, organic urea compound thickener, extreme-pressure agent, anti-rust inhibitor and other carefully selected additives. **PYRONOC UNIVERSAL MT 00** is a grease suitable for use on sliding parts such as linear guides and ball screws equipped in machine tools.

● SPECIAL FEATURES

1. Superior heat resistance

Due to the use of urea compound as the thickener, **PYRONOC UNIVERSAL MT 00** exerts little penetration change at the high temperature and keeps superior lubricity.

2. Excellent anti-wear performance

PYRONOC UNIVERSAL MT 00 has excellent anti-wear performance because it contains organic molybdenum compound and an excellent extreme pressure agent.

3. High resistance to processing oil

PYRONOC UNIVERSAL MT 00 is a grease that is less likely to be washed away from the processing oil used on machine tools, and is less likely to cause lubrication defects.

4. Outstanding Oxidation Stability

Since **PYRONOC UNIVERSAL MT 00** uses urea-based organic compound that does not contain metals as a thickener, it does not receive the effect of promoting oxidation degradation by metals and has extremely excellent oxidation stability. In addition, **PYRONOC**

UNIVERSAL MT 00 uses highly refined mineral oil as a base oil and is compounded with a high performance antioxidant, so it is resistant to oxidative degradation.

5. Good resistance to plugging

PYRONOC UNIVERSAL MT 00 is suitable for centralized lubricating system because it is unlikely to cause the plugging phenomenon.

6. Excellent fretting resistance

PYRONOC UNIVERSAL MT 00 has excellent fretting resistance because it is difficult to be removed from the sliding part by repetitive movement with minute strokes (oscillatory movement).

● APPLICATIONS

- Sliding part of linear guide
- Sliding part of ball screw

● CONTAINERS

630 g bellows-type tube (6 pcs.)

● TYPICAL TEST DATA FOR PYRONOC UNIVERSAL MT 00

Grade (NLGI No.)		00
Soap type		Organic urea compound
Appearance		Light yellow, Semi solid
Penetration (25°C, 60 strokes)		423
Dropping point	°C	Over 200
Oxidation stability (99°C, 100h)	kPa	25
Evaporation loss (99°C, 22 h)	mass%	0.29
ASTM four-ball test(1800r/min), WL	N	1569
Four-ball wear test(1200r/min, 392N, 1h),	mm	0.37
Approx. operating temperature range	°C	-20 to 175

Note: The typical properties are subject to change without notice. (May 2019)



Handling Precautions

▼ Follow these precautions when handling this product.

Composition :	Base Oil(s), Thickener, Additives
Precautionary pictograms:	
Signal word:	Warning
Hazard Statement:	May cause an allergic skin reaction
Precautionary Statements:	• 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. • 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	• 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 rash occurs: Get medical advice/attention.
Storage	• 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.
Disposal	• 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.