PRODUCT BULLETIN

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GRS-7063-2611E

PYRONOC UNIVERSAL MT

Urea grease for machine tools

PYRONOC UNIVERSAL MT is formulated with mineral base oil, organic urea compound thickener, extreme-pressure agent, anti-rust inhibitor and other carefully selected additives. **PYRONOC UNIVERSAL MT** 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** exerts little penetration change at the high temperature and keeps superior lubricity.

2. Excellent anti-wear performance

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

6. Excellent fretting resistance

PYRONOC UNIVERSAL MT 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

400 g bellows-type tube (20 pcs.)
630 g bellows-type tube (6 pcs.)

● TYPICAL TEST DATA FOR PYRONOC UNIVERSAL MT

Soap type		Organic urea compound
Appearance		Yellow, Semi solid
Penetration (25°C, 60 strokes)		364 (NLGI grade 0)
Dropping point	°C	Over 200
Oxidation stability (99°C,100h)	kPa	20
Evaporation loss (99°C, 22 h)	mass%	0.24
ASTM four-ball test(1800r/min), WL	N	1961
Four-ball wear test(1200r/min,392N,1h),	mm	0.34
Approx. operating temperature range	°C	-20 to 175

Note: The typical properties are subject to change without notice. (November 2026)

● Handling Precautions

- **For the handling of this product:** Please read the Safety Data Sheet (SDS) for this oil and the handling precautions listed on the product container carefully before use.
- **Regarding obtaining the SDS:** Please note that Safety Data Sheets (SDS) should be obtained via commercial channels and cannot be provided by the ENEOS Customer Center.
- The properties and performance listed are based on measurements and insights from our testing methods and do not guarantee accuracy or completeness. The typical properties may be changed without notice.