

Technical Data Sheet

DAPHNE EPONEX RG-M



~ Grease for reducers with excellent low temperature characteristics ~

1. Purpose

At today's manufacturing sites, improving productivity and reducing energy consumption are urgent issues, and the load on manufacturing machines continues to increase. For this reason, the load on the grease is also increasing, and the grease is required to have further torque characteristics and heat resistance.

Daphne Eponex RG-M is a grease for moderators that contains low temperature torque characteristics, excellent heat resistance, and additives that are effective in extending fatigue life, and contributes to improving productivity in the manufacturing field.

2. Nature

Daphne Eponex RG-M is the grease that combines lithium soap as a super high viscosity index base oil and has both heat resistance and low temperature characteristics. In addition, the optimum combination of antioxidants and extreme pressure agents helps to extend the life and fatigue life of the reducer grease.

3. Characteristics

- ① By optimizing the super high viscosity index base oil and viscosity index improver, the oil film can be kept at high temperature, excellent fluidity at low temperature, and seizing and machine moment stop can be prevented.
- ② Optimization of additive formulation suppresses sludge formation.

4. Typical properties

Test items (unit, test condition)			Typical	Test Method (ASTM)	
Thickener type			Lithium	-	
Base oil type			HVI Mineral oil	-	
Additive type			Special organic Mo Oil film enhancer	-	
Kinematic viscosity	mm ² /s	40 deg C	52	D 445	
Penetration	-	25deg C,60W	398	D 217	
Dropping point	deg C	-	183	D 2265	
Oxidation stability	kPa	99deg C, 100hrs	10	D972	
Oil separation	wt%	100deg C, 24hrs	21.2	D 1742	
Low-temp torque	mN·m	-10deg C (Starting/Running)	21/6.5	D1478	
Four ball (wear)	mm	1200rpm, 392N,75deg C, 1hr	0.49	D2783	
Four ball (EP)	N	RT, 1800rpm	LNL	981	D2596
			WL	2452	D2596
			LWI	470	D2596

The performance and specifications are results of our tests, and are NOT a guarantee of accuracy and or completeness.

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