

## Technical Data Sheet

### DAPHNE EPONEX SR

*“Multipurpose grease combined the best properties of heat resistance and EP”*

#### 1. Application

DAPHNE EPONEX SR is specially developed to withstand heat and/or extremely pressure conditions. DAPHNE EPONEX SR is widely used for many applications such as Industrial machineries, motor, wire rope, paper mills, etc. And this grease is useable on centralized lubrication system.

#### 2. Quality

DAPHNE EPONEX SR is composed by Lithium Complex Soap which has outstanding characteristics such as heat resistance, extremely pressure and mechanical shearing stability. DAPHNE EPONEX SR is a range of multi-functional, high quality lithium complex soap base grease specially formulated with highly refined mineral oil with various additives such as anti-rust preventive and oxidant.

#### 3. Characteristics

- ✓ DAPHNE EPONEX SR is new type grease because it is multipurpose grease combined the best properties of heat resistance, EP and oxidation stability.
- ✓ DAPHNE EPONEX SR has the best property of heat resistance, and is resistance to softening on high temperature over 100deg C.
- ✓ On the other hand, this grease also does not harden on high temperature condition as one market heat resistance grease, due to the characteristics of our unique lithium complex.
- ✓ In addition, in spite of based on mineral oil, DAPHNE EPONEX SR has more superior oxidation stability than many general grease.

#### 4. Typical Specification

Test items (unit, test condition)			Typical			Test Method (ASTM)
NLGI No.			No.0	No.1	No.2	-
Thickener type			Lithium Complex			-
Base oil type			Mineral			-
Color			Green			Visual
Kinematic viscosity	mm <sup>2</sup> /s	D 445	143.1			D 445
Penetration	-	25deg C,60W	370	325	280	D 217
Dropping point	deg C	-	260<	260<	260<	D 2265
Evaporation loss	wt%	99deg C, 22hrs	0.23	0.30	0.60	D 942
Oil separation	wt%	100deg C, 24hrs	7.9	2.3	0.25	D 1742
Oxidation stability	kPa	99deg C, 100hrs	25	25	30	D 972
Water washout	wt%	38deg C, 1hr	4.6	1.5	0.6	D 1264
Roll stability		165rpm, 80deg C, 20hrs	377	378	350	D 1831
Four ball (wear)	mm	1200rpm, 392N, 75deg C, 1hr	0.45	0.48	0.50	D 2266
Four ball (EP)	N	RT, 1800rpm   WL	2452	2452	2452	D 2596

#### 5. Recommended service range

- ✓ -20 to 140deg C

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## **6. Package and packing**

- ✓ 180KG drum, 16KG pail, Carton box (20 pieces of 400gram cornice in a Carton.)

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

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