

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 ² /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

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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