

Epnoc Grease AP(N)

Low-Odor General-Purpose Extreme-Pressure Grease

Epnoc Grease AP (N) is light brown colored, general-purpose extreme-pressure grease for industrial applications. It is manufactured with a lithium thickener, which provides improved water and heat resistance, as well as highly refined mineral base oils and carefully selected oxidation inhibitors, corrosion inhibitors, and other additives. It can be used at almost all machine grease lubrication points, and it is especially suitable centralized lubrication systems.

● SPECIAL FEATURES

1. Excellent Load-Carrying Performance

As shown by the “EP” in their names, all of Epnoc greases have outstanding extreme-pressure performance. **Epnoc Grease AP (N)** therefore provides excellent load-carrying performance even under severe high-load and low-speed conditions.

2. Superb Grease Feeding

Epnoc Grease AP (N) has a low apparent viscosity even at low temperatures, so it is easy to feed and is ideal for centralized lubrication systems.

3. Outstanding Heat Resistance

Epnoc Grease AP (N) is formulated with lithium thickener that provides outstanding heat resistance, so it can be used even at high-temperature lubrication points.

4. Excellent Mechanical Stability

When grease is fed through narrow tubes or used in bearings, it is exposed to mechanical shear. If the grease has poor mechanical stability, then the grease structure will be destroyed, resulting in softening, oil separation, and tube clogging. **Epnoc Grease AP (N)** has excellent mechanical stability, so there is no need to worry about such problems.

5. Superb Oxidative Stability

Epnoc Grease AP (N) has superb oxidative stability, so it resists degradation and oil separation during storage and use. As a result, the grease can be used for long periods of time.

6. Outstanding Water Resistance

Epnoc Grease AP (N) resists washout when it comes into contact with water, so it resists softening even when mixed with water.

7. No Metal Corrosion

Epnoc Grease AP (N) will not corrode copper, steel, zinc, or other metals.

8. Environmentally Friendly

Epnoc Grease AP (N) contains no lead or zinc, so it helps to protect the environment during waste water treatment and the disposal of used grease.

● APPLICATIONS

Epnoc Grease AP (N) can be used in centralized lubrication systems in the most demanding applications that require excellent extreme-pressure, heat-resistance, and water-resistance performance, including rolling machinery for steel, nonferrous metals, and rubber; hydro-turbine generators; cranes; industrial machinery; automobiles; ships; etc. **Epnoc Grease AP (N)** is also excellent general-purpose grease.

● GRADES

Epnoc Grease AP (N) is available in four penetration grades (0, 1, 2 and 3). These numbers correspond to the NLGI numbers.

● CONTAINERS

180-kg drums (0,1,2), 16-kg pail cans (0,1,2,3), 2.5-kg cans (6 pcs.) (0,1,2), and 400g bellows-type tube (20 pcs.) (0,1,2)

● TYPICAL PROPERTIES OF Epnoc Grease AP(N)

| Grade | 0 | 1 | 2 | 3 |
|---|----------------------------|----------------------------|----------------------------|----------------------------|
| Soap type | Lithium soap | Lithium soap | Lithium soap | Lithium soap |
| Appearance | Light brown, Semi solid | Light brown, Semi solid | Light brown, Semi solid | Light brown, Semi solid |
| Penetration (25°C, 60 strokes) | 362 | 325 | 279 | 232 |
| Apparent viscosity (-10°C, 10 s ⁻¹), Pa·s | 57 | 151 | 271 | - |
| Low temperature torque (-20°C) Starting torque/rotating torque, mN·m | - | - | - | 250/60 |
| Dropping point, °C | 193 | 196 | 200 | 204 |
| Oil separation(100 °C,24h), mass% | 16.7 | 6.4 | 2.0 | 0.3 |
| Water washing resistance (38°C,1h) | 23 | 7 | 4 | 2 |
| Copper strip corrosion (100°C, 24 h) | Passed | Passed | Passed | Passed |
| Oxidative stability (99°C, 100 h), kPa | 25 | 25 | 25 | 25 |
| Base oil viscosity (100°C), mm ² /s | 13.9 | 16.3 | 13.9 | 13.9 |
| ASTM four-ball test, WL, N | 3090 | 3090 | 3090 | 3090 |
| Approx. operating temperature range, °C, | -20 to 125 | | | |

Note: The typical properties may be changed without notice. (March 2017).



Handling Precautions

▼ Follow these precautions when handling this product.

| | |
|----------------------------------|---|
| Composition : | Base Oil, Thickener, Additives |
| Precautionary pictograms: | Not applicable |
| Signal word: | Not applicable |
| Hazard Statement: | Not applicable |
| Precautionary Statements: | <ul style="list-style-type: none"> • 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. • Wash hands thoroughly after handling. • Do not eat, drink or smoke when using this product. |
| Prevention | |
| Response | |
| Storage | <ul style="list-style-type: none"> • 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. |
| Disposal | <ul style="list-style-type: none"> • 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. • 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. |