

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 grade 0 and 1 are especially suitable for 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 Oxidation Stability

EPNOC GREASE AP(N) has superb oxidation 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 so it helps to protect the environment during waste water treatment and the disposal of used grease.

● APPLICATIONS

Industrial machineries with high-load or shock load such as forging machinery, rolling machinery, paper manufacturing machinery, mining machinery, civil engineering and construction machinery, and ship anchor lifting equipment.

● CONTAINERS

	0	1	2	3
180-kg drum	✓	✓	✓	
16-kg pail can	✓	✓	✓	✓
2.5-kg cans (6 pcs.)	✓	✓	✓	
400 g bellows-type tube (20 pcs.)	✓	✓	✓	

● TYPICAL PROPERTIES OF EPNOC GREASE AP(N)

Grade (NLGI No.)	0	1	2	3
Thickener 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	322	276	232
(25°C, 100,000 strokes)	405	355	327	291
Apparent viscosity (-10°C, 10 s ⁻¹), Pa·s	61	118	279	-
Low temperature torque (-20°C) Starting torque/rotating torque, mN·m	-	-	200/90	360/70
Dropping point, °C	195	196	200	203
Oil separation (100 °C, 24h), mass%	20.3	6.8	2.4	0.4
Water washout resistance (38°C, 1h), mass%	23	3	1	1
Copper strip corrosion (100°C, 24 h)	Passed	Passed	Passed	Passed
Oxidation stability (99°C, 100 h), kPa	15	15	15	20
Base oil viscosity (100°C), mm ² /s	14.7	16.4	13.3	13.9
ASTM four-ball test, WL, N	3090	3090	3090	3090
Operating temperature range (approx.), °C,	-20 to 125			

Note: The typical properties may be changed without notice. (February 2023).



Handling Precautions

▼ Follow these precautions when handling this product.

Composition :	Base Oil(s), Thickener, Additives
Hazard pictograms:	Not applicable
Signal word:	Not applicable
Hazard Statement:	Harmful to aquatic life Harmful to aquatic life with long lasting effects
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. • Avoid release to the environment. • Wash hands thoroughly after handling. • Do not eat, drink or smoke when using this product.
Response	<ul style="list-style-type: none"> • IF SWALLOWED: Immediately call a POISON CENTER/doctor. • 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.
Storage	<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.
Disposal	<ul style="list-style-type: none"> • 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.