

ART OIL LITHIUM PLEX EP GREASE

DESCRIPTION

ART OIL LITHIUM PLEX EP GREASE is a formulation containing additives that are resistant to water washing and temperature by adding special additives to the thickener of lithium structure and improved resistance to impact loads.

FIELDS OF USAGE

It is used wherever a heavy shock load is present. Especially for environments with high speed and water, 0 is for winter or central systems with capillary pipes, and 2 and 3 are for summer. Number 2 is especially recommended for the lubrication of large roller bearings at the dry and wet ends of paper machines. It operates between -12 and 130°C.

PROPERTIES

- Provides great protection in heavy and impact loads with its high overpressure prevention feature.
- Extends bearing life by reducing wear and fatigue.
- Provides savings by helping to reduce grease consumption.
- Reduces maintenance and labor costs.
- Easily pumped in central systems.
- Provides excellent protection against rust and corrosion.

PERFORMANCE LEVELS

DIN 51825: KP 000 K-20 (Lithium Plex EP 000), DIN 51825: KP 00 K-20 (Lithium Plex EP 00), DIN 51825: KP 0 K20 (Lithium Plex EP 0), DIN 51825: KP 1 K-20 (Lithium Plex EP 1), DIN 51825: KP 2 K-20 (Lithium Plex EP 2), DIN 51825: KP 3 K-20 (Lithium Plex EP 3)

STORAGE

- Packaging should be stored in covered areas with the lids tightly closed.
- It should not be exposed to the direct effects of sun heat and heat sources.
- The ambient temperature should not exceed 60°C.
- Maximum two pallets should be stored on top of each other.
- Consult the Material Safety Data Sheet (MSDS) for more information.

SUBSTANTIAL AND CHEMICAL PROPERTIES

| NLGI Number | - | 000 | 00 | 0 | 1 | 2 | 3 |
|---|-------------|---------|---------|---------|---------|---------|---------|
| Color | - | Brown | Brown | Brown | Brown | Brown | Brown |
| Soap Type | - | Lithium | Lithium | Lithium | Lithium | Lithium | Lithium |
| Penetration 25°C, Processed | ASTM D 217 | 445-475 | 400-430 | 355-385 | 310-340 | 265-295 | 220-250 |
| Dropping Point, min. (°C) | ASTM D 566 | >170 | >170 | >185 | >190 | >190 | >190 |
| Operating Temperature, max. (°C) | - | 130 | 130 | 130 | 130 | 130 | 130 |
| Base Oil Viscosity, 40 °C, mm ² /s | ASTM D 445 | 220 | 220 | 220 | 220 | 220 | 220 |
| Timken OK, lb. | ASTM D 2509 | 45 | 50 | 50 | 50 | 60 | 60 |

(*) Values may differ from production to production.

HEALTH AND SAFETY

Used waste products should not be dumped into underground and above-ground water sources, sewer connections, and garbage. Prolonged contact with used oils can cause skin diseases. Therefore, sterile gloves should be used. If the used oil encounters the skin, that area should be washed immediately with plenty of water and soap. If irritation or redness occurs in case of skin contact, seek medical advice immediately.