

High temperature grease

● Performance Overview

Maxtop high temperature grease is made by thickening refined mineral oil with complex metal soap and adding various additives such as anti-rust, antioxidant and extreme pressure anti-wear agent. Greases perform well in high temperature and heavy duty environments and are highly resistant to pressure, making them particularly suitable for such equipment. It is also designed for bearings and parts requiring lifelong lubrication in high temperature, high load and chemically corrosive environments, demonstrating excellent chemical inertness, durability and low volatility.



● Features

01

Good high temperature performance and high temperature adhesion can ensure that the grease does not leak out at the friction parts at high temperature or high ambient temperature.

02

Good water resistance and rust resistance, can be used on mechanical parts that are wet and in contact with water.

03

Good colloid stability, long service life of grease, and extended grease change cycle.

04

Waterproof protection: Strong resistance to water flushing, even in the case of water flushing can still ensure the bearing life.

● Application Scenario

Bearing lubrication: Used for blower bearings, fan bearings, flatbed press bearings and high temperature furnace bearings and other equipment lubrication.

Conveyor belt bearings: In toasters and pastry conveyor belts, provide lubrication for bearings, preventing heat and wear due to friction.

Mechanical lubrication: Used for lubrication of corrugating machinery, lift bearings of printing and dyeing machines, bearings of steam engines and dryers.

Key parts Lubrication: Lubrication is provided in key parts of equipment such as blast furnaces and continuous casting machines in the steel industry.

Normal operation of power and aerospace equipment: Ensure the normal operation of equipment such as generators, transformers, aircraft engines and spacecraft at high temperatures.

High temperature grease performance indicators

| Project | Quality indicators | | |
|---|--|---------|---------|
| Model | No. 1 | No. 2 | No.3 |
| Appearance | Blue smooth uniform ointment | | |
| Working cone penetration/(0.1mm) | 310~340 | 265~295 | 220~250 |
| Dropping point/°C not less than | 260 | 260 | 260 |
| Corrosion (T2 copper sheet, 100°C, 24h) | No green or black change on copper sheet | | |
| Water loss (38°C, 1h), % (mass fraction) No more than | 5 | | |
| Change rate of extended working cone penetration 0.1mm (100,000 times), %No more than | 15 | 20 | 20 |
| Leakage (104°C, 6h), g not more than | 2.5 | | |
| Corrosion resistance (52°C, 48h) | qualified | | |
| Evaporation amount (180°C, 1h), % (mass fraction) No more than | 5 | | |
| Oxidation stability (99°C, 100h, 0.770MAa) No more than | 0.07 | | |
| Similar viscosity (-10°C, 10s), Pa.s not more than | 500 | 800 | 1200 |
| Bearing life (149°C), h not less than | 400 | | |

Maxtop®