

7019-1 Ep High Temperature Lubricating Grease

SINOPEC 7019-1 EP high temperature lubricating grease is refined based on compound soap thickened refined semi-synthetic oil, adding multiple additives for extreme pressure, oxidation-resistance and rust prevention. It can be divided into five designations based on the level of thickness: 00, 0, 1, 2, 3.

Advantages

- ◎ Good ep and anti-attrition performance provides effective for the load-bearing parts and reduces attrition
- ◎ Good oxidation stability prevents the deteriorating of lubricating grease under high-temperature environment and guarantees a relatively long service life under high temperature
- ◎ Good rust prevention performance prevents corrosion of metal components.
- ◎ Good fretting wearing protection performance prevents pit corrosion and attrition under fretting circumstances

Performance Specification

The product meets the following specifications:

- ◎ Q/SH PRD234—2008

Applications

- ◎ It applies to the lubrication of the bearing working under high temperature environment in petrochemical, textile, printing and dyeing, mining, steel, float glass and other industries, various medium, heavy loaded ball bearing, pin roller, roller bearing as well as lubrication of the transmission parts and the couplings of the baking equipment gear, riding wheel of the chain, etc
- ◎ Products with thickness level of 00, 0 and 1 are used in centralized lubrication system
- ◎ Applied temperature ranges: $-30^{\circ}\text{C} \sim 150^{\circ}\text{C}$, and 180°C for short period of time

Typical Properties

Items	7019-1 EP high temperature lubricating grease			
	0	1	2	3
Appearance	Yellow, smooth, uniform ointment			
penetration	360	324	267	239
Drop point, $^{\circ}\text{C}$	>300	>300	>300	>330
Evaporation loss (180°C , 1hr)	2.36	2.2	1.9	2.68
Similar viscosity (-20°C , 10s^{-1})	430	721	1084	1438
Corrosion (45#steel, 100°C , 3hrs)	Qualified	Qualified	Qualified	Qualified
Bearing capacity				
Maximum non-seizure load P_B , N	1373	1236	1236	1373
Comprehensive wear value ZMZ, N	652	652	699	705

Technical Certification

- ◎ Technical recognition for matching material by Wuhan Atlantic Metallurgical Engineering & Technology Co., Ltd
- ◎ Technical recognition for matching material by CISDI Engineering Co., Ltd

Similar Foreign Products

It's of equal performance in bearing lubrication with following abroad products:

- ◎ FARMLAND BLUE GAB, CHEVRON WTRA DUTY GREASE 2, SHELLDARINA 2; MoM PLEX 47, 48; MOBILITH SrtC 200; SHELL ALVANIA; SKF LGMT ESSOBEACON 2; RONEX MP; SHELL RETINAX LX; TRI-PAX MEOALUBE; MOBILUX NUWON 24 (RUS)

Application Examples

- ◎ Yanshan Petrochemical Company, Dalian Petrochemical Corporation and Liaoyang Petrochemical Corporation have thousands of various types of electric machine from 500kW to 900kW. The original choice is 3[#]supramoly lithium grease for lubrication. It's specified by the lubrication rules that the lubricating grease should be replaced every 3months~6months. Due to bad lubrication, seizure of large electric machines happens occasionally and badly affects the production. After using this product, lubrication period of the bearing has extended to over a year, and seizure of large electric machines disappears. It has saved both time and money
- ◎ The steel plant of a steel group company replaced the ordinary lithium grease with this product on bearing of the driving electric machine in high-temperature radiation area. After that, the amount of repairing work reduce to the half, and the originally frequent recovering service due to ineffective lubrication of the electric machine bearing has basically disappeared, which is a great favor to the recover service staff

Special Attentions

- ◎ Do not mix with other lubricating grease resulting in performance reduction due to possible physical or chemical reactions between different greases
- ◎ Close the cap in time after each use, keeping moisture and dust away

Packing

- ◎ To be packed with 1kg plastic box and 17kg plastic drum or as required by customers