

7036 High/Low Temperature Lubricating Grease

SINOPEC 7036 high/low temperature lubricating grease is refined based on compound soap thickened synthetic oil, with the addition of additives for oxidation-resistance, ep attrition protection, etc. It's divided into three categories based on different kinematic viscosity of base oil 40℃: 7036 (100), 7036 (220) and 7036 (460).

Advantages

- ⊙ Excellent high/low temperature performance can assure the normal operation of the bearing in extended temperature range
- ⊙ Good lubricity can protect the bearing from wearing
- ⊙ Good anti-sprinkling performance applies to lubrication of bearing of damp environment
- ⊙ Excellent mechanical and colloid stability, preventing the lubricating grease from running off
- ⊙ Excellent oxidation stability, preventing the lubricating grease from deteriorating under high temperature circumstances

Performance Specification

The product meets the following specifications:

- ⊙ Q/SH303 439—2007

Applications

- ⊙ This product applies to the lubrication of heavy-loaded low speed to medium-high speed rolling bearings in metallurgy, paper-making and textile industries, etc
- ⊙ Applied temperature range: -40℃ ~ 180℃, and 200℃ for short period of time

Typical Properties

Items	7036 high/low temperature lubricating grease		
	7036 (100)	7036 (220)	7036 (460)
Appearance	Light yellow, uniform ointment		
Working penetration, 0.1mm	280	—	270
Pressure oil separation (1kg), % mass fraction	8.4	7.5	8.7
Drop point, ℃	>300	>300	>300
Evaporation loss (180℃, 1hr), % (m/m)	4.3	3.2	2.9
Similar viscosity (-20℃, 10s ⁻¹), Pa·s	432	462	579
Rust prevention of the bearing, level	1	1	1
Corrosion (45#steel, 100℃, 3hrs)	Qualified		
Anti-sprinkling property (38℃, 1hr), % (m/m)	3.49	3.58	2.66
Four-ball testing (room temperature, 1500rpm)			
Maximum non-seizure load P _B , N	785	785	882
Sintering load P _D , N	2450	2450	3090

Similar Foreign Products

- ⊙ This product can replace Mobil SHC100, 220 and 460 in using performance

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 250g and 1kg plastic boxes or as required by customers