

HTHS High-temperature and High-speed Bearing Grease

SINOPEC HTHS high-temperature and high-speed bearing grease is thickened by lithium complex soap thickener, it is made from deeply refined mineral oil and synthetic oil with antioxidant, EP and anti-wear additive and corrosion inhibitors through special technical process.

Characteristics

- ⊙ High dropping point and can meet the lubricating requirement up to 150°C
- ⊙ Good low-temperature staling performance
- ⊙ Add high quality anti-wear additives, can meet the extreme-pressure and anti-wear requirement of ordinary load
- ⊙ Low friction heat generation at the running part; can meet the lubricating requirements of high and medium speed bearings

Technical specification

- ⊙ Q/SH PRD342—2010

Applications

- ⊙ It is suitable for lubrication of small and medium-sized precision bearings and miniature-type bearings under high and low temperature conditions
- ⊙ Particularly suitable for the lubricating of high temperature and low noise sealed bearings, also for the lubricating and protection of small and medium-sized electric motor of high and low temperature and ordinary load rolling bearings at high temperature
- ⊙ Applied temperature range: -40°C ~ 180°C

Typical data

Items	HTHS high temperature and high speed bearing grease
Worked cone penetration, 0.1mm	278
Impurity, entries/cm ³	
10μm above	500
25μm above	0
75μm above	0
Extreme pressure performance (Four ball machine method), P _B value, N	667
Low temperature torque (-30°C), N-m	
Starting torque	0.25
Running torque	0.08
Corrosion resistance (52°C, 48hrs)	Qualified
Bearing life (160°C), hrs	51.2
Dropping point, °C	321
Noise level (6201 bearing)	
Number of abnormal sound for starting, N	2
Number of abnormal sound for running, N	2