

# TSA-L Low-temperature and Long-life Bearing Grease

SINOPEC TSA-L low-temperature and long-life bearing grease is thickened by higher fatty acid soap, it is made from chemically synthetic oil with special additive through special technical process under high-clean environment.

## Characteristics

- ⊙ Excellent ultra-low temperature property can substantially reduce the mechanical torque at low temperature
- ⊙ High degree of cleanness and low impurity content can inhibit the abnormal sound when running of bearings
- ⊙ Excellent oxidation stability and anti-rust property can meet the life-long lubricating of the electric equipments

## Technical specification

- ⊙ Q/SH PRD344—2010

## Applications

- ⊙ It is applicable for the lubricating of various rolling bearings of small and medium-sized motors, industrial precision instruments and office and household electrical appliances, etc
- ⊙ Particularly applicable for the life-long lubrication of the miniature-type low noise precision bearings
- ⊙ Not recommended using this product under low speed and heavy load conditions
- ⊙ Applied temperature range: -50℃ ~ 140℃

## Typical data

Items	TSA-L low temperature and long-life bearing grease
Worked cone penetration, 0.1mm	275
Dropping point, ℃	198
Noise level (6201 bearing)	
Number of abnormal sound for starting, N	1
Number of abnormal sound for running, N	1
Impurity (microscope method), entries/cm <sup>3</sup>	
10μm above	200
25μm above	0
75μm above	0
125μm above	0
Low temperature torque (-40℃), N·m	
Starting torque	0.24
Running torque	0.09
Bearing life (125℃), hrs	1000