

Product	<b>Sinopec Premium Golden Grease</b>
Summary	<p><b>Product description</b></p> <p>Sinopec Premium Golden Grease, NanoShield is a multi-purpose grease derived from advanced nanotechnology. It is prepared through the saponification of high-activity Nano-precursors and special fatty acid that forms compact and stable metal soap fibers in high quality mineral base oil. Due to special properties of nanoparticles, Sinopec Premium Golden Grease, NanoShield can provide excellent anti-wear protection, superior lubricity, as well as outstanding mechanical stability, water resistance, adhesion, sealing and rust resistance.</p>

Available sizes



PAIL – 15kg



DRUM – 180kg

## Applications

Sinopec Premium Golden Grease is suitable for:

- The lubrication and the protection of low speed equipment such as construction machinery, agricultural machinery, ceramics (such as polishing machines, transmission bearings), metallurgy (such as conveying roller table), automobile (chassis, wheel hub) and conventional general machinery, etc.
- Application where the temperature range is from -20°C to 120°C.

## Features and benefits

- Excellent lubricity to reduce abrasion between friction pairs.
- Excellent resistance to water washout, improved lubricity even under conditions such as high ambient humidity and inevitable contamination with water.
- Outstanding oxidation stability to ensure longer service life during application process.
- Outstanding mechanical stability under harsh shearing forces.
- Superior rust resistance capability to prevent wear of the friction pairs during the operation.
- Good adhesiveness within the applicable temperature range.

## Typical data

Item		NLGI.2	NLGI.3
Worked Penetration (25 °C), 0.1mm	ASTM D 217	287	235
Oil Separation (100 °C, 24hrs) %(m/m)	ASTM D 6184	0.4	0.2
Similar Viscosity (-15°C, 10s <sup>-1</sup> ) Pa·s	ГОСТ 7163	450	782
Impurity Entries (Microscope method)	ГОСТ 9270		
25µm above/cm <sup>3</sup>		280	320
75µm above/cm <sup>3</sup>		40	40
125µm above/cm <sup>3</sup>		0	0
Prolonged Cone Penetration (100,000 times), 0.1mm	ASTM D 217	313	260
Dropping Point, °C	ASTM D 2265	165	169
Corrosion (T <sub>2</sub> copper, 100 °C, 24hrs)	ASTM D 4048	Pass	Pass
Water Washout (38°C, 1h) % (m/m)	ASTM D1264	0	0
Evaporation Loss (99°C, 22h) % (m/m)	ASTM D 972	0.08	0.05
Oxidation Stability (99°C, 100hrs, 0.758MPa), Pressure drop, Mpa	ASTM D 942	0.015	0.025
Corrosion Resistance (52°C, 48h)	ASTM D 1743	Pass	Pass
Four Ball Wear (392N,60min) , mm	ASTM D 2266	0.48	0.45

These data are given as an indication of typical values and not as exact specifications.

## Accuracy of information

Data provided in this PDS is typical and subjected to change as a result of continuous product research and development. The information given was correct at the time of printing. The typical values given are subject to variations in the testing procedures and the manufacturing process may also result in slight variations. Sinopec guarantees that its lubricants meet any industry and OEM specifications referred to on this data sheet.

Sinopec cannot be held responsible for any deterioration in the product due to incorrect storage or handling. Information on the best practices is available from your local distributor.

## Product and environmental safety

This product should not cause any health problems when used in the suggested applications and when the guidance provided in the Material Safety Data Sheet (MSDS) is followed. Please consult the MSDS for more detailed advice on handling; MSDSs are available from your local distributor. Do not use the product in applications other than those suggested.

As with all products, please take care to avoid environmental contamination when disposing of this product. Used oil should be sent for reclamation/recycling or, if not possible, must be disposed of according to relevant government/authority regulations.

The SINOPEC trademark is registered and protected.

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# SINOPEC

Premium Lubricants



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