

Product	<b>Sinopec EP Golden Grease</b>
Summary	<p><b>Product description</b></p> <p>Sinopec EP Golden Grease is a multi-purpose EP grease formulated using advanced nanotechnology, NanoShield. It is prepared through the saponification of high-activity nano-precursors and fatty acid that forms compact and stable metal soap fibers in high quality mineral base oil. It contains extreme pressure and antiwear additives and provides excellent extreme pressure, anti-wear protection, superior lubricity, as well as outstanding mechanical stability, water resistance, adhesion, sealing and rust resistance, to ensure excellent performance and long life, even in severe service conditions where shock loading and water.</p>

Available sizes



PAIL – 15kg



DRUM – 180kg

Appearance



**Applications**

Sinopec EP Golden Grease is suitable for:

- The lubrication and the protection of medium to heavily loaded and low or medium speed mechanical equipment such as construction machinery, agricultural machinery, ceramics (such as polishing machines, transmission bearings).
- Application for motor bearing, 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 110°C.

**Features and benefits**

- Excellent extreme pressure and anti-wear properties protect heavily loaded or shock-loaded bearings from wear, extending equipment life.
- 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

Sinopec Extreme Pressure Golden Grease				
NLGI grade	Test Method	1	2	3
Appearance, visual	Smooth, puce, buttery			
Base fluid type	Mineral			
Kinematic viscosity	ASTM D 445			
cSt @ 40°C		170	170	170
Cone penetration	ASTM D 217			
W × 60, mm <sup>-1</sup>		318	283	238
W × 100,000, mm <sup>-1</sup>		345	317	275
Dropping point, °C	ASTM D 566	138	150	155
Oil separation, 24h @ 100°C, %	ASTM D 6184	8.0	3.2	0.2
Copper corrosion, T2 copper strip, 24 h @ 100°C, rating	JIS K 2220 5.5	pass	pass	pass
Corrosion prevention, 48h @ 52°C, rating,	ASTM D 1743	pass	pass	pass
Timken OK load, N	ASTM D 2509	178	178	178
Four ball EP, P <sub>B</sub> , N,	ASTM D 2596	618	618	618
Apparent viscosity, -15°C, 10 s <sup>-1</sup> , Pas	GOST 7163	126	349	736
Impurities, quantity/cm <sup>3</sup>				
25 µm or larger	JIS K 2220 5.9	200	280	280
75 µm or larger		0	80	90
125 µm or larger		0	0	0

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.

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