

Product	Sinopec Super Grease NLGI 2
Summary	<p>Product description</p> <p>Sinopec Super Grease NLGI 2 is EP pressure grease, formulated with Calcium Sulfonate Complex soap thickener and high-quality mineral base oil. It has excellent performance and long life, even in severe service conditions such as high temperatures, outstanding EP and applications with a lot of a water spray, even with salt water</p>

Available



PAIL-17kg



DRUM-200kg

Applications

Sinopec Super Grease NLGI 2 is suitable for:

- Roll bearing at hot rolling mill in metallurgical industry, continuous casting equipment, such as ladle turret, mould, the second cooling area, sector section, withdrawal straightening machine roll bearing, rocking shears and transportation roll etc.
- Off-road equipment used in the mining industry, particularly to lubricate slow-moving plain and rolling element bearings under severe conditions of very high loads, shock loading and vibrating or oscillating conditions.
- Equipment bearings, wire ropes and general lubrication in the marine industry.

Features and benefits

- Excellent high temperature performance. Maintain certain degree of consistency even at high temperature and have long service life, Super Greases ensures a high dropping point, which means that the grease can be used at higher temperatures in severe service applications (operating temperature range is from -20°C to $+180^{\circ}\text{C}$).
- High-quality base oil ensures a good oil film thickness is maintained, even in high-temperature applications, protecting components against wear.
- Outstanding EP and anti-wear properties. The spherical thickener can form micro-rolling particle layer on contact surface, effectively reduce friction coefficient between metal surface and extend service life.
- Very good rust and corrosion resistant property. Resist metal surface corrosion even with seawater presented.
- Do not contain any heavy metal, nitrite and other chemicals that will do harm to human's health and pollute environment.

Typical data

Sinopec Super Grease NLGI 2	
NLGI Grade	2
Appearance, visual	Smooth, orange, buttery
Thickener Type	Calcium Sulfonate Complex

Product Data Sheet

Base Fluid Type	Mineral
Kinematic viscosity of base oil, cSt @40°C, ASTM D 445	460
Cone penetration, W×60, mm ⁻¹ , ASTM D 217	275
Dropping Point, °C, ASTM D 2265	330
Four Ball Wear, 60 min @ 392 N, mm, ASTM D 2266	0.45
Timken OK load, N, ASTM D 2509	222
Oil Separation, 24 h @ 100°C, %, FTMS 791C-321.3	2.0
Water Washout, 1 h @ 79°C, %, ASTM D 1264	0
Corrosion Prevention, 48 h @ 52°C, rating, ASTM D 1743	pass
Copper Corrosion, T2 copper strip, 24 h @ 100°C, rating, ASTM D 4048	pass
Four Ball Weld Load, ASTM D 2596 , N	3923

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

Accuracy of information

Data provided in this PDS is typical and subject to change as a result of continuing 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 cannot be held responsible for any deterioration in the product due to incorrect storage or handling. Information on best practice is available from your local distributor.

Product and environmental safety

This product should not cause any health problems when used in the applications suggested 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.

Appendix: Application Cases

Sinopec Super Grease has been widely used in metallurgical industry. It has been recognized by customers. The following shows some representative customers.

- Shagang Group

The lubrication part of wide and heavy plate mill has the many characteristics, such as high water content and high rolling force. The company began to use Sinopec super grease in 2010. After several years of usage, the grease has a stable quality and good performance, meeting the requirements of equipment's demand.

- Rizhao Steel Holding Group Co., Ltd.

The product is applied in 1580mm hot rolled coil production line, which effectively improves lubrication conditions and prolongs the grease injection period.

Issued: July 2022

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