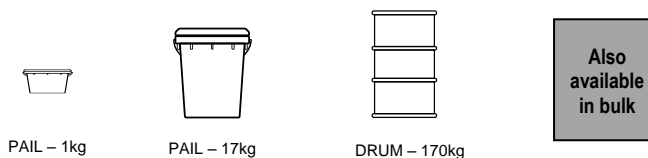


Product	Sinopec Roller Bearing Grease
Summary	<p>Product description</p> <p>Sinopec Roller Bearing Grease is a high performance grease for heavy duty industrial applications. Formulated with a metal complex thickener and high-quality mineral base oil, it contains rust and oxidation inhibitors, extreme pressure and antiwear additives to ensure excellent performance and long life, even in severe service conditions such as high temperatures, shock loading and water washout. Available in NLGI grades 1, 2 and 3.</p>

Available sizes



Applications

Sinopec Roller Bearing Grease is suitable for use in:

- Lubrication of heavy duty industrial roller bearings such as those found in the mining, steel and construction industries.
- Roller bearings of roughing and finishing mills in the steel industry.
- Similar heavy duty applications operating under high loads, wide temperature ranges and wet conditions.

Features and benefits

- Excellent extreme pressure and antiwear properties protect heavily loaded or shock-loaded bearings from wear, extending equipment life.
- Excellent high-temperature performance. The metal complex thickener enables the grease to be used at high temperatures (up to +180°C) in severe service applications, providing continuous protection to bearings and effectively extending service life under high-temperature conditions.
- Good low-temperature properties ensure excellent protection against wear under cold start-up conditions (as low as -20°C).
- Excellent water resistance and anti-rust properties ensure equipment lubrication and protection under wet conditions.
- Good thermal and oxidation stability ensure longer grease life under high-temperature conditions, providing optimum lubrication, extending equipment life and reducing maintenance requirements.
- Good mechanical stability ensures satisfactory consistency, and avoids break down of the grease structure, even under high-speed shear conditions.
- Available in NLGI 1, 2 and 3 grades to meet the exact application requirements.

Product Data Sheet

Typical data

Sinopec Roller Bearing Grease			
NLGI grade	1	2	3
Appearance, visual	Dark brown		
Thickener type	Metal complex		
Base fluid type	Mineral		
Cone penetration, ASTM D 217			
W _{x60} , mm ⁻¹	323	275	230
W _{x100,000} , mm ⁻¹	360	314	281
Dropping point, °C, ASTM D 2265	278	288	300
Four ball EP tests, ASTM D 2596			
Four ball load wear index, N	480	474	487
Four ball weld load, N	3089	3089	3089
Timken OK load, N, ASTM D 2509	156	156	156
Water washout, 1 h @ 38°C, %, ASTM D 1264	3	1	1
Corrosion prevention, 48 h @ 52°C, ASTM D 1743	pass	pass	pass
Copper corrosion, T2 copper strip, 24 h @ 100°C, ASTM D 4048	pass	pass	pass

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

Industry and OEM specifications

Sinopec Roller Bearing Grease meets the performance requirements of the following industry specifications:	
Sinopec	Q/SH303 287-2004

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 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 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.

Issued: March 2017

© Sinopec 2017

Sinopec Roller Bearing Grease