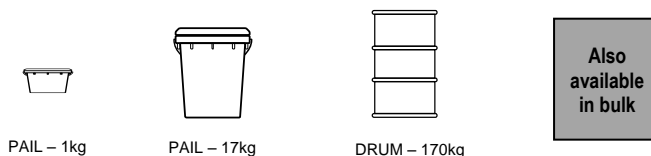


Product	Sinopec JZ EP A Polyurea Grease
Summary	<p>Product description</p> <p>Sinopec JZ EP A Polyurea Grease is imported advanced technology from Kyodo Yushi Co., Ltd. Part of its raw material are made in China. Thickened by polyurea base thickener, it is made from deeply refined mineral oil with extreme pressure and anti-wear additives, and gives good pumpability properties for use in the centralised lubrication systems of equipment operating in the steel industry.</p>

Available sizes



Applications

Sinopec JZ EP A Polyurea Grease is suitable for use in:

- Centralised lubricating systems of continuous casting machines, continuous rolling machines and other high-temperature friction points in the steel industry.
- Heavy load, wide temperature range and harmful dielectric-contamination conditions such as mould, arc-shaped roller bank.
- Other high-temperature applications where a pumpable long-life grease is required.

Features and benefits

- Polyurea thickener ensures a high dropping point, which means that the grease can be used at higher temperatures in severe service applications (application temperature range is from -20°C to $+160^{\circ}\text{C}$, and to 180°C in short term), and also confers excellent mechanical stability so that the grease structure does not break down in service.
- Excellent water resistance means that the grease stays in place and is not easily washed or sprayed off in wet conditions.
- Excellent protection against rusting and corrosion ensures long component life.
- Excellent EP and anti-wear properties. Can be used at heavy load circumstance.
- Excellent high temperature performance. Suitable for high temperature applications.
- Do not contain any heavy metal and nitrite that will do harm to human, s health and pollute environment.

Typical data

Sinopec JZ EP A Polyurea Grease			
Item	Typical Properties		
	0	1	2T
Appearance, visual	Buff to beige, homogeneous	Buff to beige, homogeneous	Buff to beige, homogeneous
Thickener type	Polyurea	Polyurea	Polyurea
Base fluid type	Mineral oil	Mineral oil	Mineral oil
Cone penetration, W×60, mm ⁻¹ ASTM D 217	372	327	309
	W×100,000, mm ⁻¹	390	342
Flowing pressure, -20°C, k Pa, DIN51805	76.5	81.0	94.2
Evaporation loss, 22h @ 99°C, %wt, ASTM D972	0.29	0.24	0.14
Dropping point, °C, ASTM D 2265	286	302	308
Oil separation, 24 h @ 100°C, %, FTMS791-321.3	3.7	3.0	2.6
Copper corrosion, T2 copper strip, 24 h @ 100°C, ASTM D 4048	Pass	Pass	Pass
EP Properties Timken OK Load, N, ASTM D 2509	178	178	178
Water washout(38°C, 1hr), %, ASTM D 1264	7	4	3
Oxidation stability(99 °C , 100hrs, 758kPa), Pressure drop, kPa, ASTM D942	38	26	12
Rolling stability(80 °C , 4hrs, 165rpm), Without water, 0.1mm, ASTM D 1831	358	328	324
Bearing life(160°C), hrs, ASTM D3336	159.9	420.0	210.0

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

Industry specifications

Sinopec JZ EP A Polyurea Grease meets the performance requirements of the following industry specifications:	
Sinopec	Q/SH 303 309

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.

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