

SYNTH POLYTHERM-100 & 460

DESCRIPTION

SYNTH POLYTHERM is fully synthetic high performance long life polyurea grease suitable for applications in wide range of industrial applications. This grease is formulated with fully synthetic high viscosity PolyAlphaOlefin (PAO) base oil stocks engineered with special EP additives which gives outstanding thermal & superior shear stability, excellent high temperature capabilities, provide strong anti-oxidant, anti-wear, excellent water resistance properties compared to conventional polyurea greases. It also gives excellent lubrication for extended bearings life and gives longer relubrication interval periods over a wide range & high temperature.

APPLICATIONS

- SYNTH POLYTHERM 100 grease is recommended for sealed for life bearings, rolling element bearings, high-speed antifriction bearings, electric motors, fans, air-conditioning bearings, automotive alternator/generator/starter motor bearings and other wide range of industrial applications operating under high speed and high temperature conditions. Applications for heavy duty electric motor ball, Pumps, Small, medium and large bearings and roller bearing where anti-friction bearings operating at high speed & high temperature 10,000 to 30000 RPM and greater.
- SYNTH POLYTHERM 460: grease recommended for heavily loaded plain and anti-friction bearings. It is also recommended for bearings where extreme temperatures are a concern, such as steam heated rolls, exhaust fan bearings, felt roll bearings, and oven conveyor bearings.

Wind Mill, Power generation & Energy plants Steel & Cement Segment: Rolling Bearings, Grinding Mills, Ball Mills, Rotor Bearings (Roller Bearings) Coke Oven Plant, Slide Tracks Sintering Machine, Roller Bearings Billet Mould, Hot metal car wheels, Roller Bearings - Ladles, Arc Furnaces Steel Melting Shop, Roller Bearings - Ladle Turret, Torch Cutter Continuous Casting Machine, Roller Bearings - Work Rolls, Pre-heating Hot Rolling Mill.

Chemical plants, Paper & Pulp Segment: Roller Bearings Digester - Chemical pulping, Roller Bearings Bleacher - Chemical pulping, Wire Press, Screw type Press Dewatering Presses, Breast Roll, Suction Roll, Other Rolls Wet end, Breast Roll, Suction Roll, Other Rolls Wet end, Roller Bearings in Steam Head Dry end, Drying Cylinders, Calendar Rolls Dry end, Soot Blower, Flue gas fan Chemical Recovery System - Paper manufacturing.

Sugar Industry Segment: Boiler travelling grate bearing.

Textile Segment: Top & Bottom Rollers Speed Frame, Ring Frame, Drying Cylinder Bearings Sizing, Fan Bearings Stenter Machine, Dyeing, Finishing.

ADVANTAGES & BENEFITS

- Resistant to Alkalis, Acids, Chemicals, steam contaminated environments
- Good start-up characteristics at low temperatures.
- Most suitable grease for cold weather pumpability and low temperature environment.
- Extreme pressure properties to perform under high speed, high temperature & shock loads.
- Excellent stability and outstanding protection against rust and corrosion.
- Maximum temperature for prolonged usage is -40°C to 200°C.
- Low consumption & Immediate monetary savings.
- Extends bearings life and gives longer relubrication intervals.
- High protection against seizure and wear, avoiding expensive repairs.

Typical Properties

Property	100	220	460
ISO Grades	100	220	460
NLGI Grade	2.5	2	2
Thickener	Synthetic Polyurea		
Colour & Appearance	Green, Blue or Beige, Smooth, buttery & Tacky		
Base Oil Type	Synthetic oil (PAO)		
Viscosity, Cst @ 40°C	100	220	460
Work Penetration	250	280	280
Drop Point	320	320	320
Four Ball Weld Load (kg)	+250	+250	+315
Operating Temperature °C	-40°C to 200°C		

The values above are typical values. They do not constitute any contractual commitment.

Sales specifications are available on request. The present technical data sheet replaces all the previous edition.

Health and Safety

This product is not likely to present any significant health or safety hazards when used correctly in the right application. Safety Data Sheet (SDS) is available on request through our website www.slkkruizer.com

Protect the Environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

Storage

Storage We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet.

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SLK ENTERPRISES

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