

perma LOAD PU-M SYN 500-1 (SF05)

Previous name: perma High temp. / Extreme pressure grease SF05

ROLLING AND PLAIN BEARINGS

perma LOAD PU-M SYN 500-1 (SF05) is a special lubricating grease based on mineral oil + PAO, polyurea and MoS₂. It has a wide service temperature range and is suitable for plain and rolling bearings up to a service temperature of 160 °C.

perma LOAD PU-M SYN 500-1 (SF05) ensures excellent wear protection, and its EP additives provide a high pressure absorption capacity. It is very adhesive and resistant to water under static and dynamic loads, to oxidation and ageing. The solid lubricant particles (MoS₂) provide additional safety due to their emergency lubrication properties.

Advantages



MULTIPURPOSE GREASE FOR EXTREME REQUIREMENTS



EFFICIENT AT HIGH TEMPERATURES, VIBRATIONS, SHOCKS



RESISTANT TO OXIDATION AND AGEING



GOOD WEAR PROTECTION



GOOD ANTICORROSION PROPERTIES



HIGH PRESSURE ABSORPTION CAPACITY



RESISTANT TO AGGRESSIVE MEDIA



GOOD SEALING EFFECT



GOOD EMERGENCY LUBRICATION PROPERTIES DUE TO SOLID LUBRICANT PARTICLES

Application

perma LOAD PU-M SYN 500-1 (SF05) is suitable for rolling bearings subject to high temperatures, vibrations, shock loads, aggressive liquids or active detergents. It has proven effective in electric motors, pumps and fans. This grease is also suitable for plain bearings and for steel / steel components. Under mixed friction conditions it reduces friction and temperatures. Its high efficiency under extreme conditions makes it a multi-purpose grease for the iron and steel industry, base materials and construction industries (cement, lime, gypsum).

APPLICATION INFORMATION

perma LOAD PU-M SYN 500-1 (SF05) is a lubricant especially developed for perma lubrication systems. To ensure adequate metering and maintenance-free lubrication, this product is only available in perma lubrication system.

SHELF LIFE

Shelf life is approx. 12 months if the product is stored in its unopened original container in a dry and frost-protected place.

PACKAGING

- perma lubrication systems
- Cartridge 400 g
- Pail 1 kg
- Pail 5 kg

Product data

Base oil	Mineral oil + PAO
Thickener	Polyurea / MoS ₂
Base oil viscosity, DIN 51562, at 40 °C, mm ² /s	500
Color	Black
Density, DIN 51757, at 20 °C, g/cm ³ , approx.	0,91
Drop point, DIN ISO 2176, °C	> 240
Penetration at 25 °C, DIN ISO 2137; 0,1mm approx.	340 - 370
Speed factor, (n x dm), approx.	200,000 mm/min
Consistency, NLGI grade, DIN 51818	0/1
Service temperature range, °C	- 20 to 160
Flow pressure, DIN 51805, at - 20 °C, mbar	< 1.400
Water resistance, DIN 51807, 3 h / 90 °C, rating	0/1 - 90
Corrosion protection, DIN 51802, Emcor test (1 week, dist. water), corrosion rating	1/1



Roller bearings



Sliding bearings



Gears