

PETAMO GY 193

Tried-and-tested grease for the high-temperature and long-term lubrication of rolling bearings



Your benefits at a glance

- Long-standing field experience confirms the long-term lubricating effect of PETAMO GY 193 Operating costs are reduced
- Economical lubrication of rolling bearings in many applications
- Minimized risk in new applications
- Owing to its exceptional additives, PETAMO GY 193 prevents corrosion damage

Your requirements - our solution

PETAMO GY 193 is a synthetic high-temperature grease based on high-quality ester oils, polyurea thickener and special additives. The grease stands out for its excellent water resistance and corrosion protection.

With an above average base oil viscosity of approx. 160 mm²/s at 40°C, PETAMO GY 193 is suitable for manifold applications in machine building.

Application

Depending on the service temperature, PETAMO GY 193 can be used for lifetime lubrication or relubrication. Experience has shown that lifetime lubrication is possible with temperatures below 150°C, for example in electric motors, fans, carrier and guide rollers, chain wheels, sealed or capped rolling bearings. In relubricatable rolling bearings subject to very high temperatures the grease can be used up to 180°C (e.g. in driers).

PETAMO GY 193 should be selected primarily for lubrication of bearings with point contact loading, but can also be used for

bearings with linear contact loading and a high share of sliding friction, e.g. cylindrical roller bearings or tapered roller bearings.

Application notes

PETAMO GY 193 can be applied by the common lubrication systems like spatula, grease gun or central lubrication systems.

Please note, however, that due to different system configurations and application conditions the pumpability of the product has to be confirmed for each individual application.

We will be pleased to provide assistance in this matter.

This product is also available in our automatic lubricant dispenser Klübermatic. Please consult the application engineering experts from Klüber Lubrication to determine whether Klübermatic might be used under the conditions in your processes.

Material safety data sheets

Material safety data sheets can be requested via our website www.klueber.com. You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	PETAMO GY 193
Cartridge 400 g	+
Can 1 kg	+
Bucket 25 kg	+
Bucket 50 kg	+
Drum 180 kg	+

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Characteristics	PETAMO GY 193
Article number	094046
Composition, thickener	polyurea
Composition, type of oil	ester oil
Colour space	beige
Texture	fibrous , homogeneous
Service temperature, lower limit	-20 °C
Service temperature, upper limit	180 °C
Density, Klüber method: PN 024, 20°C	approx. 1.03 g/cm ³
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	270 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	310 0.1 mm
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 17.5 mm ² /s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 160 mm ² /s
SKF-EMCOR, DIN 51802, Klüber method: distilled water, 164 h	≤ 1 corrosion degree
Flow pressure, DIN 51805-2, -20°C	≤ 1400 mbar
Dropping point, DIN ISO 22286 / IP 396	≥ 240 °C
Speed factor (n x dm)	approx. 400000 mm/min
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 months

Klüber Lubrication – your global specialist

Innovative tribological solutions are our passion. Through personal contact and consultation, we help our customers to be successful worldwide, in all industries and markets. With our ambitious technical concepts and experienced, competent staff we have been fulfilling increasingly demanding requirements by manufacturing efficient high-performance lubricants for more than 95 years.

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