

Klüberlub PHB 71-461

High-temperature lubricating grease



Your benefits at a glance

- High-temperature lubricating grease for rolling bearings up to 180°C
- For low to medium speeds
- Good pumpability in most commercially available lubrication systems
- Blue colour, hence less risk of confusion / mixing etc.
- Good wear protection and high load-carrying capacity
- Good corrosion protection
- Resistant to water

Your requirements - our solution

Klüberlub PHB 71-461 is a special high-temperature lubricating grease based on mineral oil and polyurea. It is suitable for a wide service temperature range and can be used up to 180°C under continuous relubrication conditions. Klüberlub PHB 71-461 may be applied via centralized lubrication equipment.

Klüberlub PHB 71-461 incorporates special EP additives ensuring good wear protection under high load conditions.

Klüberlub PHB 71-461 provides reliable corrosion resistance in a wet environment as well as good adhesion and oxidation stability. Its blue colour allows simple identification and assessment of general grease condition whilst helping eliminate the possibility of mixing with foreign greases.

Application

Klüberlub PHB 71-461 was especially designed for high temperature applications in continuous fibreboard presses.

The grease is used for the lubrication of drum bearings, guide rollers, shaft bearings and plain bearings in Siempelkamp and Dieffenbacher

fibreboard manufacturing equipment.

Further applications include high-temperature lubrication points subject to high loads, moisture and temperature variations such as those found in:

- conveyors
- dryers
- steel mills.

Application notes

Klüberlub PHB 71-461 can be applied via most commercially available centralized lubrication systems.

The product should be continuously purged through small bore pipes, which are exposed to high pressure and temperature.

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	Klüberlub PHB 71-461
Cartridge 400 g	+
Bucket 25 kg	+
Drum 180 kg	+

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Characteristics	Klüberlub PHB 71-461
Article number	020508
Composition, thickener	polyurea
Composition, type of oil	mineral oil
Colour space	blue
Texture	homogeneous , long fibrous
Service temperature, lower limit	-10 °C
Service temperature, upper limit	180 °C
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	265 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	295 0.1 mm
Copper corrosion, DIN 51811, 24 h, 130°C	1 - 130 - 24 corrosion degree
Copper corrosion, DIN 51811, 24 h, 150°C	4 - 150 - 24 corrosion degree
SKF-EMCOR, DIN 51802, Klüber method: distilled water, 168 h	≤ 1 corrosion degree
Dropping point, DIN ISO 2176 / IP 396	≥ 240 °C
Speed factor (n x dm)	200000 mm/min
Water resistance, DIN 51807-1, 3 h, 90°C	≤ 1 - 90 rating
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx. 24 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 90 years.

Klüber Lubrication München GmbH & Co. KG /
Geisenhausenerstraße 7 / 81379 München / Germany /
phone +49 89 7876-0 / fax +49 89 7876-333.

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