

Klübergrease BE 71-461

High-temperature grease



Your benefits at a glance

- Considerable cost savings through
 - an attractive price-performance ratio
 - lower lubricant consumption due to high thermal stability
 - lower waste water disposal costs as the product is highly resistant to water, leading to lower contamination
- Longer maintenance intervals due to good load-carrying capacity and good resistance to wear and corrosion
- Easy and convenient application due to good pumpability and metering via centralised lubrication systems

Your requirements - our solution

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As an operator or OEM of large installations where rolling bearings run under high loads, you have to observe a wide variety of influences: to ensure trouble-free operation, reduce downtime and increasing pressure for cost savings.

Klübergrease BE 71-461 is a high-temperature mineral oil grease with a polyurea thickener that has been tried and tested over many years. The product offers a wide service temperature range up to 180 °C, or with continuous relubrication even 200 °C. Klübergrease BE 71-461 offers strong antiwear properties, very good adhesion and resistance to water. Klübergrease BE 71-461 is also highly resistant to oxidation and protects your bearings reliably against corrosion. All these effects help to reduce your maintenance expenses at a very moderate lubricant purchase cost.

Application

Besides lubrication directly at the individual lube point by means of grease gun or lubricant dispenser (e.g. Klübermatic NOVA), Klübergrease BE 71-461 can also be applied to high-temperature areas conveniently via centralised lubrication systems, e.g. in

- support roller bearings in continuous casting installations
- load roller bearings in continuous furnaces

Such applications involve particularly taxing requirements for our lubricant such as high operating temperatures, slow to medium

speeds, variable loads, presence of water and hence a corrosive effect. Our Klübergrease BE 71-461 is the ideal choice for these applications, but it may also be used for many other high-temperature lubrication points, e.g. in:

- annealing furnaces or drying kilns
- plain bearings in foundry cranes
- high-temperature rollers in paper and cardboard factories
- road surfacing machines
- bulk material gate valves
- cooling beds, conveyors
- rotary kilns
- machines and installations in the automotive, beverage, glass and ceramics industries

If you wish to optimise the service life of your equipment or have any other questions regarding your application, our experts will be pleased to help you.

Application notes

Klübergrease BE 71-461 can be applied by brush, spatula or industrial metering systems.

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

Cartridge 400 g

Klübergrease BE 71-461

+

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Pack sizes	Klübergrease BE 71-461
Can 1 kg	+
Bucket 25 kg	+
Drum 180 kg	+

Characteristics	Klübergrease BE 71-461
Article number	020521
Composition, thickener	polyurea
Composition, type of oil	mineral oil
Appearance	transparent
Colour space	beige
Texture	homogeneous , long fibrous
Service temperature, lower limit	-20 °C
Service temperature, upper limit, in case of continuous lubrication	180 °C
NLGI grade, DIN 51818	1
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	310 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	340 0.1 mm
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C	approx. 31.5 mm ² /s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 460 mm ² /s
Copper corrosion, DIN 51811, 24 h, 120°C	1 - 120 - 24 corrosion degree
SKF-EMCOR, DIN 51802, Klüber method: distilled water, 168 h	≤ 1 corrosion degree
Flow pressure, DIN 51805-2, -20°C	≤ 1400 mbar
Dropping point, DIN ISO 2176 / IP 396	≥ 240 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 months

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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.

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