

# Klüberlub BVH 71-461

High-temperature lubricating grease for bearings and valves



## Your benefits at a glance

- Lubricating grease for extreme requirements
- Efficient at increased temperatures, vibrations and shock loads
- Resistant to ageing and oxidation
- Good protection against wear
- Good anticorrosion properties
- High pressure absorption capacity
- Resistant to aggressive media
- Good sealing effect
- Has proven effective in coke oven gas valves

## Your requirements - our solution

Klüberlub BVH 71-461 is a special lubricating grease based on mineral oil/synthetic hydrocarbon oil/polyurea. It has a wide service temperature range and is suitable for rolling bearings up to a service temperature of 160 °C.

Klüberlub BVH 71-461 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.

Klüberlub BVH 71-461 is also particularly resistant to oxidation and ageing and reliably protects against corrosion. It has an especially high sealing effect in coke oven valves.

## Application

Klüberlub BVH 71-461 is suitable for rolling bearings subject to high temperatures, shock loads and/or aggressive liquids or active detergents. It has proven effective in electric motors, pumps and fans.

Klüberlub BVH 71-461 is also suitable for plain bearings operating under mixed friction conditions, where it reduces the temperature and friction in the friction points. Its high efficiency under extreme conditions makes Klüberlub BVH 71-461 an ideal grease for many applications in the base materials and construction industries, iron and steelworks, as well as coke ovens (gas valve grease).

## Application notes

Klüberlub BVH 71-461 is applied by brush, spatula, grease gun, or automatic metering system. It is also applicable through all conventional centralized lubrication systems.

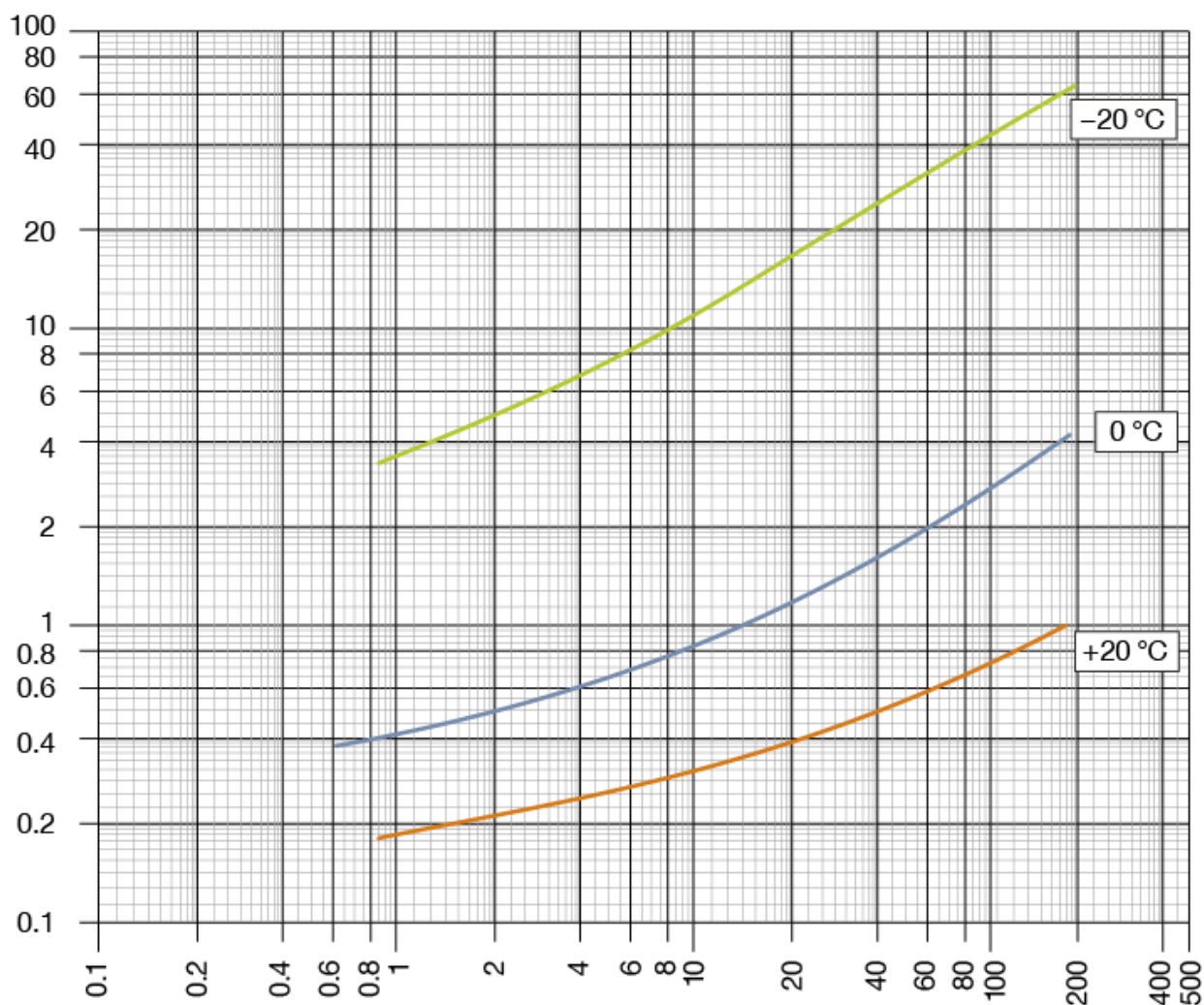
Pipe friction values were determined with the Shell-DELIMON rheometer system.

## Material safety data sheets

Material safety data sheets can be requested via our website [www.klueber.com](http://www.klueber.com). You may also obtain them through your contact person at Klüber Lubrication.

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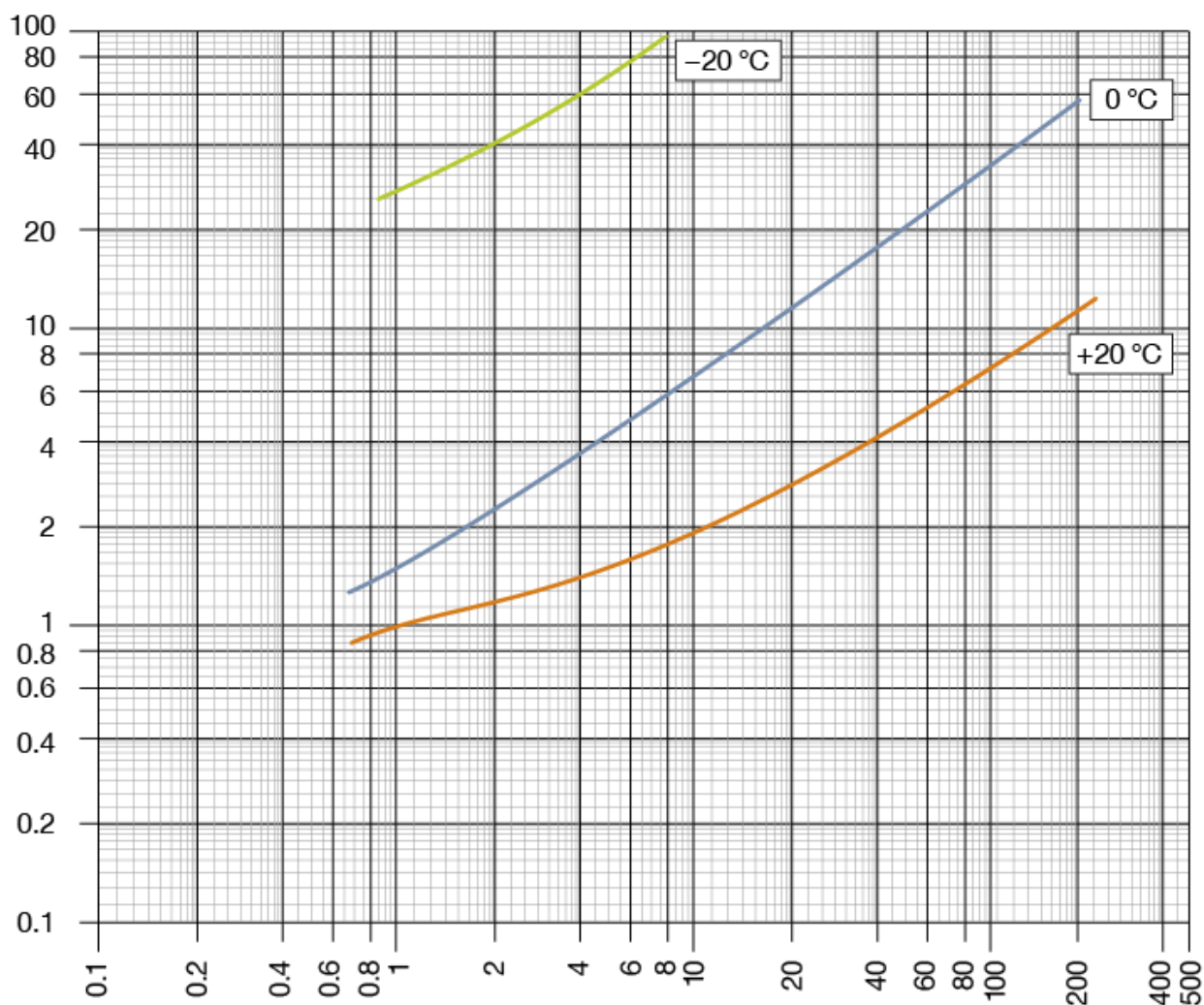
x-Achse Durchflussmenge [g/min]

y-Achse Förderwiderstand bezogen auf 1 m Rohrlänge [bar]

Rohrreibungswiderstände gemessen mit Rheometer (System: Shell-DELMON)				
Prüfrohr	Förderwiderstand [bar/m]			
DN 16 mm	1 g/min	10 g/min	100 g/min	200 g/min
+ 20 °C	0,2	0,33	0,7	0,98
0 °C	0,44	0,82	2,6	4,2
- 20 °C	3,63	10,2	39,5	57

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x-Achse Durchflussmenge [g/min]

y-Achse Förderwiderstand bezogen auf 1 m Rohrlänge [bar]

## Rohrreibungswiderstände gemessen mit Rheometer (System: Shell-DELIMON)

Prüfrohr	Förderwiderstand [bar/m]			
DN 7 mm	1 g/min	10 g/min	100 g/min	200 g/min
+ 20 °C	0,93	1,95	6,7	10,7
0 °C	1,53	60,3	33	55
- 20 °C	28,2	>100		

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Pack sizes	Klüberlub BVH 71-461
Cartridge 400 g	+
Can 1 kg	+
Bucket 25 kg	+
Drum 180 kg	+

Characteristics	Klüberlub BVH 71-461
Article number	020506
Colour space	brown
Service temperature, lower limit	-20 °C
Service temperature, upper limit	160 °C
Density, Klüber method: PN 024, 20°C	approx. 0.9 g/cm <sup>3</sup>
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	340 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	370 0.1 mm
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
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.

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