

# Klübersynth LI 44-22

Synthetic low-temperature grease with good damping properties



## Your benefits at a glance

- Synthetic low-temperature grease with good damping properties
- Almost neutral towards many plastics
- Low friction coefficients
- Resistant to ageing
- Approved acc. to VW-TL 778 B and Ford WSD-M1C234-A2

## Your requirements - our solution

Klübersynth LI 44-22 is a fully synthetic, dynamically light low-temperature grease with good damping and adhesion properties as well as water resistance. It is based on synthetic hydrocarbons, lithium soap, antifriction solid lubricants as well as corrosion and oxidation inhibitors. Klübersynth LI 44-22 is almost neutral towards many plastics and elastomers.

## Application

Due to its excellent low-temperature and damping characteristics Klübersynth LI 44-22 is used in the precision engineering and automotive industry, e.g. for automatic locking systems, seat adjustment systems and small gears. Klübersynth LI 44-22 is

particularly suitable for plastic/plastic and steel/ plastic material pairings. The product is approved according to the specifications VW-TL 778 B and Ford WSD-M1C234-A2.

## Application notes

Apply Klübersynth LI 44-22 by brush or spatula, or with conventional metering systems.

## 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.

Pack sizes	Klübersynth LI 44-22
Cartridge 400 g	+
Can 500 g	+
Can 1 kg	+
Bucket 18 kg	+
Bucket 25 kg	+
Bucket 50 kg	+

Characteristics	Klübersynth LI 44-22
Article number	004223
Colour space	beige
Texture	homogeneous , short fibrous
Service temperature, lower limit	-60 °C

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Characteristics	Klübersynth LI 44-22
Service temperature, upper limit	130 °C
Density, Klüber method: PN 024, 20°C	approx. 0.9 g/cm <sup>3</sup>
NLGI grade, DIN 51818	2
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
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s <sup>-1</sup> , lower limit	2500 mPas
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s <sup>-1</sup> , upper limit	5500 mPas
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C	approx. 4 mm <sup>2</sup> /s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 18 mm <sup>2</sup> /s
Copper corrosion, DIN 51811, 24 h, 100°C	1 - 100 - 24 corrosion degree
SKF-EMCOR, DIN 51802, Klüber method: distilled water, 168 h	≤ 1 corrosion degree
Flow pressure, DIN 51805-2, -35°C	≤ 450 mbar
Flow pressure, DIN 51805-2, -60°C	≤ 1400 mbar
Dropping point, DIN ISO 2176 / IP 396	≥ 180 °C
Oxidation stability, ASTM D942, 100 h, 99°C, pressure drop	≤ 0.3 bar
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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