Klübersynth LI 44-22

Synthetic low-temperature grease with good damping properties

Benefits for your application

- **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**

Description

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 auto-motive 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. You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	Klübersynth LI 44-22
Can 1 kg	+
Bucket 25 kg	+
Bucket 50 kg	-

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Product data	Klübersynth LI 44-22
Article number	004223
Lower service temperature	-60 °C / -76 °F
Upper service temperature	130 °C / 266 °F
Colour space	beige
Texture	homogeneous
Texture	short-fibred
Density at 20 °C	approx. 0.9 g/cm³
NLGI grade, DIN 51818	2
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	265 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	295 x 0.1 mm
Shear viscosity at 25 °C, shear rate 300 s-1, equipment: rotational viscometer, lower limit value	2 500 mPas
Shear viscosity at 25°C, shear rate 300 s-1, equipment:rotational viscometer, upper limit value	5 500 mPas
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 18 mm²/s
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 4 mm²/s
Corrosion inhibiting properties of lubricating greases, DIN 51802, (SKF-EMCOR), test duration: 1 week, distilled water	<= 1 corrosion degree
Copper corrosion, DIN 51811, (lubricating grease), 24h/100°C	1 - 100 corrosion degree
Drop point, DIN ISO 2176	>= 180 °C
Flow pressure of lubricating greases, DIN 51805, test temperature: -35 °C	<= 450 mbar
Flow pressure of lubricating greases, DIN 51805, test temperature: -60 °C	<= 1 400 mbar
Oxidation stability of lubricating greases, ASTM D942, 100 h/99 °C, pressure drop	<= 0.3 bar
Water resistance, DIN 51807 pt. 01, 3 h/90 °C, rating	<= 1 - 90
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	24 months

Product information

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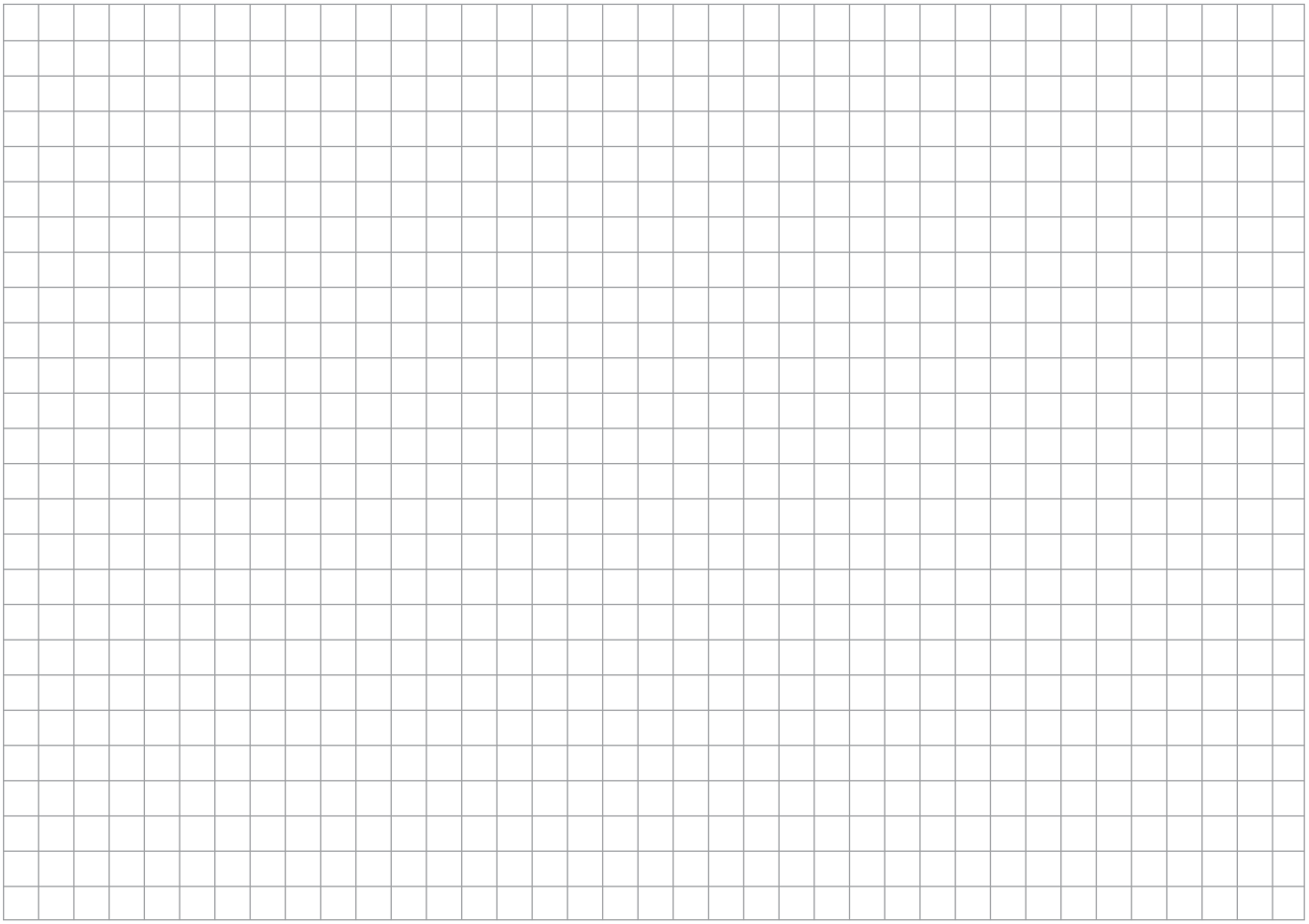

Klüber Lubrication – your global specialist

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 80 years.

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