

Klübersynth LF 44-22, Klübersynth LF 44-32

Synthetic low-temperature greases with a light-coloured solid lubricant



Benefits for your application

- Synthetic low-temperature greases containing solid lubricants
- Resistant to oxidation and ageing
- Good corrosion protection
- Low starting and running torques
- Preferably for plastic/plastic and plastic/metal combinations

Description

Klübersynth LF 44-22 and Klübersynth LF 44-32 are synthetic, dynamically light low-temperature greases containing anticorrosion and antioxidation additives. They are based on synthetic hydrocarbon oil and a special lithium soap thickener. The greases, which are designed for very low temperatures, are resistant to water and contain a friction-reducing solid lubricant. Klübersynth LF 44-22 and Klübersynth LF 44-32 are free of any substances subject to declaration according to GADSL (Global Automotive Declarable Substance List, version 3.0, 2007).

Application

Klübersynth LF 44-22 and Klübersynth LF 44-32 are used for machine elements requiring low starting and running torques, e.g. in automotive and precision engineering, machine tools. The greases are also used for slideways, mechanical actuators and adjustment elements with plastic/plastic and plastic/steel combinations. They are largely neutral towards many plastics and elastomers.

Application notes

Klübersynth LF 44-22 and Klübersynth LF 44-32 can be applied by means of brush, spatula or the usual metering systems. The service temperature range is between approx. -60 °C and +130 °C.

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 LF 44-22	Klübersynth LF 44-32
Can 1 kg	+	-
Bucket 25 kg	+	+

Product data	Klübersynth LF 44-22	Klübersynth LF 44-32
Article number	004209	004238
Lower service temperature	-60 °C / -76 °F	-60 °C / -76 °F
Upper service temperature	130 °C / 266 °F	120 °C / 248 °F
Density at 20 °C	approx. 0.85 g/cm ³	approx. 0.85 g/cm ³
Colour space	beige	beige
Texture	homogeneous	homogeneous
Texture	short-fibred	short-fibred
NLGI grade, DIN 51818	2	2



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Product data	Klübersynth LF 44-22	Klübersynth LF 44-32
Shear viscosity at 25°C, shear rate 300 s ⁻¹ , equipment:rotational viscometer, upper limit value	5 000 mPas	5 500 mPas
Shear viscosity at 25 °C, shear rate 300 s ⁻¹ , equipment: rotational viscometer, lower limit value	2 500 mPas	3 500 mPas
Corrosion inhibiting properties of lubricating greases, DIN 51802, (SKF-EMCOR), test duration: 1 week, distilled water	<= 1 corrosion degree	<= 1 corrosion degree
Drop point, DIN ISO 2176, IP 396	>= 185 °C	>= 185 °C
Flow pressure of lubricating greases, DIN 51805, test temperature: -60 °C	<= 1 400 mbar	<= 1 400 mbar
Water resistance, DIN 51807 pt. 01, 3 h/90 °C, rating	<= 1 - 90	<= 1 - 90
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 months	36 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 80 years.

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The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

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