

Klübersynth LF 44-22, Klübersynth LF 44-32

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



Your benefits at a glance

- 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

Your requirements - our solution

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	+	+
Bucket 50 kg	+	

Characteristics	Klübersynth LF 44-22	Klübersynth LF 44-32
Article number	004209	004238
Colour space	beige	beige
Texture	homogeneous , short fibrous	homogeneous , short fibrous
Service temperature, lower limit	-60 °C	-60 °C
Service temperature, upper limit	130 °C	120 °C
Density, Klüber method: PN 024, 20°C	approx. 0.85 g/cm ³	approx. 0.85 g/cm ³

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Characteristics	Klübersynth LF 44-22	Klübersynth LF 44-32
NLGI grade, DIN 51818	2	2
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s ⁻¹ , lower limit	2500 mPas	3500 mPas
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s ⁻¹ , upper limit	5000 mPas	5500 mPas
SKF-EMCOR, DIN 51802, Klüber method: distilled water, 168 h	≤ 1 corrosion degree	≤ 1 corrosion degree
Flow pressure, DIN 51805-2, -60°C	≤ 1400 mbar	≤ 1400 mbar
Dropping point, DIN ISO 2176 / IP 396	≥ 185 °C	≥ 185 °C
Water resistance, DIN 51807-1, 3 h, 90°C	≤ 1 - 90 rating	≤ 1 - 90 rating
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 90 years.

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