

# Klübersynth LF 44-22

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



## Description

Klübersynth LF 44-22 is a synthetic, dynamically light low-temperature grease containing anticorrosion and antioxidation additives. It is based on synthetic hydrocarbon oil and a special lithium soap thickener. The grease, which is designed for very low temperatures, is resistant to water and contains a friction-reducing solid lubricant.

Klübersynth LF 44-22 is free of any substances subject to declaration according to GADSL\* (version 3.0, 2007).

\* Global Automotive Declarable Substance List

## Applications

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

## Application notes

Klübersynth LF 44-22 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.

## Minimum shelf life

The minimum shelf life is approx. 36 months if the product is stored in its unopened original pack in a dry, frost-free place.

## Pack sizes

1 kg can  
25 kg bucket

Current material safety data sheets can be downloaded from our website [www.klueber.com](http://www.klueber.com) or requested from Klüber Lubrication.

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

## Product data

Service temperature range*, [°C], approx.	-60 to 130
Colour	beige
Texture	homogeneous, short-fibred
Density, at 20 °C, [g/cm <sup>3</sup> ], approx.	0.85
Consistency, NLGI class, DIN 51818	2
Apparent dynamic viscosity, Klüber viscosity grade**	EL/L
Corrosion protection, DIN 51802 (Emcor test), corrosion rating	≤ 1
Flow pressure, DIN 51805, at -35 °C, [mbar]	≤ 450
Drop point, DIN ISO 2176, [°C]	≥ 185
Water resistance, DIN 51807 pt. 01, 3 h/90 °C, rating	≤ 1 - 90

\* Service temperatures are guide values that depend on the lubricant's composition, the intended use and the application method. Lubricants change their consistency, apparent dynamic viscosity or viscosity depending on the mechano-dynamical loads, time, pressure and temperature. These changes in product characteristics may affect the function of a component.

\*\* Klüber viscosity grades: EL = extra light lubricating grease; L = light lubricating grease; M = medium lubricating grease; S = heavy lubricating grease; ES = extra heavy lubricating grease

The data in this product information is based on our general experience and knowledge at the time of printing 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 tests with the selected product. We recommend contacting our Technical Consulting Staff to discuss your specific application. If required and possible we will be pleased to provide a sample for testing. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this product information at any time without notice.



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