Klübersynth LR 44-21

Low-temperature grease for vehicle components

Benefits for your application

- **Good noise dampening**
- **Wide service temperature range – For different applications**
- **Good material compatibility – Universal uses**

Description

Klübersynth LR 44-21 is a beige, homogeneous and dynamically light lubricating grease based on a lithium special soap and a carefully chosen mixture of synthetic hydrocarbons and mineral oil. Application over many years has shown that Klübersynth LR 44-21 is resistant to ageing, highly adhesive and neutral to most plastic materials and car body paints. Klübersynth LR 44-21 can be easily pumped and metered; it offers good corrosion protection and is resistant to water.

Application

Due to its excellent low-temperature characteristics, Klübersynth LR 44-21 is primarily used in motor vehicles, e.g. for sliding guideways in lock, seat adjustment or window lifter systems as well as in small gears, rolling and plain bearings. Its neutral behavior towards car body paints was established in accordance with VW-TL 745, section 4.4. Klübersynth LR 44-21 is applied where steel or aluminum move against POM or PA.

The components are protected against wear throughout their service life. The good adhesion of Klübersynth LR 44-21 is important in vertical adjustment.

Application notes

Klübersynth LR 44-21 can be manually applied by brush, or by means of central lubrication or grease spray systems. It contains a UV indicator.

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 LR 44-21
Can 1 kg	+
Bucket 25 kg	+
Bucket 50 kg	+
Drum 170 kg	+

Product data	Klübersynth LR 44-21
NLGI grade, DIN 51818	1
Article number	020270
Lower service temperature	-50 °C / -58 °F
Upper service temperature	130 °C / 266 °F
Colour space	beige
Texture	fibrous
Texture	homogeneous
Density at 20 °C	approx. 0.85 g/cm³
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	310 x 0.1 mm

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Product data	Klübersynth LR 44-21
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	340 x 0.1 mm
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 24 mm²/s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 4.6 mm²/s
Corrosion inhibiting properties of lubricating greases, DIN 51802, (SKF-EMCOR), test duration: 1 week, distilled water	<= 1 corrosion degree
Flow pressure of lubricating greases, DIN 51805, test temperature: -50 °C	<= 1 400 mbar
Drop point, DIN ISO 2176	>= 220 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	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.

**Klüber Lubrication München SE & Co. KG /
Geisenhausenerstraße 7 / 81379 München / Germany /
phone +49 89 7876-0 / fax +49 89 7876-333.**