

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
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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 mechanisms and helps to reduce noise.

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. The stated service temperature range from approx. -50 °C to 130 °C serves for orientation and applies to the intended use and technical field of application.

When used in sliding guides, short-term temperature peaks up to 150 °C are permissible.

Minimum shelf life

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

Pack sizes

1	kg	can
25	kg	bucket
50	kg	bucket
170	kg	drum

Material safety data sheets

Material safety data sheets can be downloaded or requested via our website www.klueber.com. You may also obtain them through your contact person at Klüber Lubrication.



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Product data	Klübersynth LR 44-21
Color	beige
Texture	homogeneous, fibrous
Density at 20 °C, [g/cm ³], approx.	0.85
Drop point, DIN ISO 2176, [°C]	> 220
Worked penetration, DIN ISO 2137, at 25 °C, [0.1 mm]	310 - 340
Consistency class, DIN 51 818	NLGI 1
Flow pressure, DIN 51 805, at -50 °C, [mbar]	< 1400
Corrosion protection, DIN 51 802, corrosion degree	≤ 1
Base oil viscosity, DIN 51 562 pt. 01 at 40 °C, [mm ² /s], approx. at 100 °C, [mm ² /s], approx.	24 4.6


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