

Klübersynth® J 44-402

Special synthetic grease for ball joints in chassis components

Benefits for your application

- Low breakaway and running torques even after 24 hours of inoperative position
→ avoidance of cracking and stick-slip noise
 - Particularly low friction values → smooth running of joints even with high torsion
 - Good low-temperature behavior → consistent smooth operation
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Description

Klübersynth J 44-402 consists of fully synthetic base oil, lithium soap and additives increasing the ageing resistance and the corrosion protection of steel surfaces. Special additives increase adhesion on steel and plastic components, improve the dampening effect between the friction bodies and reduce the breakaway and running torques in ball joints. Klübersynth J 44-402 has been designed to reduce slick-slip and to keep friction values and the difference between static and dynamic friction as low as possible. The usual seal materials like chlorobutadiene rubber (CR) were taken into consideration when developing the grease. Prior to series application we recommend testing the compatibility with the elastomers and plastics used.

Application

Klübersynth J 44-402 is used for sealed joints in e.g. stabilizers, transverse links and wheel joints in the car industry. The grease has been tested in steel/POM pairings subject to oscillating tilting and slewing motions. Klübersynth J 44-402 was developed and tested in cooperation with renowned car manufacturers.

Application notes

Klübersynth J 44-402 can be applied by brush, spatula, grease gun, automatic metering systems and central lubrication systems.

Minimum shelf life

The minimum shelf life is approx. 24 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
180	kg	drum

Delivery in other pack sizes and containers possible prior consultation with Klüber Lubrication.

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 J 44-402
Oil type Thickener	PAO lithium soap
Service temperature range**, [°C]	-40 to 130
Color, visual determination	beige
Consistency, DIN 51818, NLGI grade	2
Drop point, DIN ISO 2176, [°C]	≥ 185
Density at 20 °C, [g/cm ³], approx.	0.9
Base oil viscosity, DIN 51562, at 40 °C, [mm ² /s], approx.	360
Corrosion protection, DIN 51 802 (SKF-EMCOR), duration of test: 1 week, distilled water, corrosion degree	≤ 1
Water resistance, DIN 51807, 3 h / 90 °C	1 - 90
Flow pressure, DIN 51805, at -40 °C, [mbar]	≤ 1400

* Owing to the many different elastomer compositions their compatibility has to be checked prior to series applications.

** Service temperatures are guide values which 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.

Lubrication is our world

With more than 2000 products available around the world, you can be sure that Klüber has the right product for your application. Please contact Klüber Lubrication specialists worldwide to assist you in all matters regarding lubrication.

www.klueber.com

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