

Klübersynth MR 96-31

Special lubricant compatible with many elastomers and plastics



Benefits for your application

- Versatile product for use with many different elastomers and plastics (e.g. EPDM, PP, HDPE)
- Good compatibility with polymers over a wide service temperature range
- Reduces friction resistance also in critical, non-polar polymer materials
- Noise damping and vibration-reducing

Description

Klübersynth MR 96-31 is a special dynamically light lubricant based on polyglycol and a carefully selected combination of solid substances. It enables smooth motion of many different plastic materials and dampens noise. The product shows a remarkable compatibility with elastomers and plastics over a wide service temperature range.

Vehicle brakes, electric parking brake, small gears.

Application notes

The lubricant can be applied by spatula, brush, grease, automatic metering devices or central lubricating systems. We recommend conducting a metering test in the dosing device under operating conditions prior to use.

Application

Klübersynth MR 96-31 is used particularly for the lubrication of friction pairs involving non-polar polymers such as PP or PE, and elastomers such as EPDM. The lubricant is also compatible with POM (homo- and copolymers), PBT or PA 6.6. Klübersynth MR 96-31 is used, for example, in slideways and casings made of non-polar and amorphous polymers with a low degree of crystallisation.

Further application examples are:

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 MR 96-31
Can 1 kg	+
Bucket 25 kg	+

Product data	Klübersynth MR 96-31
Article number	027043
Lower service temperature	-40 °C / -40 °F
Upper service temperature	120 °C / 248 °F
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	310 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	340 x 0.1 mm
Copper corrosion, DIN 51811, (lubricating grease), 24h/100°C	1 - 100 corrosion degree
Flow pressure of lubricating greases, DIN 51805, test temperature: -40 °C	<= 1 400 mbar
Oil separation, DIN 51817 K, after 18 h/40 °C	<= 4 % by weight
Chemical composition, type of oil	PAG
Chemical composition, thickener	silicate



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Product data	Klübersynth MR 96-31
Colour space	beige
Water resistance, DIN 51807 pt. 01, 3 h/90 °C, rating	<= 1 - 90
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	24 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.

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The data in this document is based on our general experience and knowledge at the time of publication 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 field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

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