

# Klübersynth LIP 84-42

Special lubricant for plastics subject to high stresses



## Benefits for your application

- **Good low temperature behaviour enabling smoothness of operation of vehicle components across a wide temperature range**
- **Reduced frictional resistance is achieved at low temperatures**
- **Damping effect**
  - Reduction of oscillations / vibrations
  - Operating noise reduction

## Description

Klübersynth LIP 84-42 is a white-coloured, dynamically light lubricant based on synthetic hydrocarbon and PTFE. It ensures free movement of plastic components subject to high stresses and has a noise-dampening effect. Klübersynth LIP 84-42 is extremely compatible with plastics across a wide temperature range.

## Application

Klübersynth LIP 84-42 is particularly suitable for lubrication of the following material combinations: plastic/plastic and plastic/metal. Typical application examples for this product are:

- small gears in vehicle components such as actuators
- gear shift gates and linkages
- slideways.

Klübersynth LIP 84-42 reduces friction in gear-related components enabling a noise dampening effect whilst improving the haptics of, e.g., vehicle gear shift gates.

## Application notes

Klübersynth LIP 84-42 can be applied by spatula, brush, or grease gun. We recommend to check metering under practical conditions with the original equipment prior to use.

For optimum adhesion, it is advisable to clean the friction points, particularly from oil and grease, prior to initial application of the lubricant.

With regard to the many different compositions of elastomers and plastics, we recommend checking compatibility prior to series application.

## Material safety data sheets

Material safety data sheets can be requested via our website [www.klueber.com](http://www.klueber.com). You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	Klübersynth LIP 84-42
Can 1 kg	+
Bucket 25 kg	+
Drum, 200 kg	+

Product data	Klübersynth LIP 84-42
Article number	004277
Lower service temperature	-60 °C / -76 °F
Upper service temperature	140 °C / 284 °F
Colour space	white
Density at 20 °C	approx. 1.09 g/cm <sup>3</sup>
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	275 x 0.1 mm



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Product data	Klübersynth LIP 84-42
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	315 x 0.1 mm
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 30 mm <sup>2</sup> /s
Corrosion inhibiting properties of lubricating greases, DIN 51802, (SKF-EMCOR), test duration: 1 week, distilled water	<= 1 corrosion degree
Oil separation, DIN 51817 K, after 18 h/40 °C	<= 7 % by weight
Flow pressure of lubricating greases, DIN 51805, test temperature: -60 °C	<= 1 400 mbar
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.	12 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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