

# Klübersynth HIP 84-401

High-temperature grease for friction pairings subject to high loads



## Your benefits at a glance

- Thermally stable; peaks to 180 °C
  - longer service life
- Lower frictional resistance
  - lower operating temperature
- Noise dampening
  - less vibration
  - noise prevention

## Your requirements - our solution

Klübersynth HIP 84-401 is a white, dynamically medium-heavy lubricating grease based on synthetic hydrocarbon oil. It shows good compatibility with plastics even at high temperatures.

## Application

For friction pairings operating under high loads, in particular plastic/plastic, plastic/metal or metal/metal, e.g. joints. Dampening in car interior, gear shifting gate, control knobs, guide rails, small gears. For c.v. joints in longitudinal and axle shafts. Compensation of tolerances.

The application of Klübersynth HIP 84-401 allows a pleasant and high-quality switching feel.

*Compatibility with plastics:* Compatibility tests showed a neutral behaviour towards most plastic materials. Owing to the many different types of plastic, their compatibility and interaction with the lubricant in contact should be checked prior to series application.

## Application notes

Klübersynth HIP 84-401 can be applied by brush, spatula, grease gun, metering gun, automatic metering devices, grease cartridge, common metering systems.

## 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 HIP 84-401
Can 1 kg	+
Bucket 5 kg	+
Bucket 25 kg	+
Bucket 50 kg	+

Characteristics	Klübersynth HIP 84-401
Article number	004267
Composition, type of oil	synthetic hydrocarbon oil
Colour space	white

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Characteristics	Klübersynth HIP 84-401
Service temperature, lower limit	-50 °C
Service temperature, upper limit	160 °C
Density, Klüber method: PN 024, 20°C	approx. 1.10 g/cm <sup>3</sup>
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	295 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	325 0.1 mm
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C	approx. 40 mm <sup>2</sup> /s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 400 mm <sup>2</sup> /s
SKF-EMCOR, DIN 51802, Klüber method: distilled water, 168 h	≤ 1 corrosion degree
Flow pressure, DIN 51805-2, -50°C	≤ 1400 mbar
Dropping point, DIN ISO 2176 / IP 396	≥ 250 °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 90 years.

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