Klübersynth HIP 84-401

High-temperature grease for friction pairings subject to high loads

Benefits for your application

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

Description

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. You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	Klübersynth HIP 84-401
Drum 180 kg	+

Product data	Klübersynth HIP 84-401
Article number	004267
Chemical composition, type of oil	synthetic hydrocarbon oil
Lower service temperature	-50 °C / -58 °F
Upper service temperature	160 °C / 320 °F
Colour space	white
Density at 20 °C	approx. 1.10 g/cm³
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	295 x 0.1 mm

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Product data	Klübersynth HIP 84-401
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	325 x 0.1 mm
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 400 mm²/s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 40 mm²/s
Flow pressure of lubricating greases, DIN 51805, test temperature: -50 °C	<= 1 400 mbar
Drop point, DIN ISO 2176, IP 396	>= 250 °C
Corrosion inhibiting properties of lubricating greases, DIN 51802, (SKF-EMCOR), test duration: 1 week, distilled water	<= 1 corrosion degree
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 80 years.

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