

Klüberalfa HM 83-801

High-temperature long-term and lifetime lubricating grease



Benefits for your application

- High-temperature lifetime grease
- Almost neutral in odour
- Good dampening properties
- Suitable for high surface pressures
- Excellent high-temperature stability
- Low vapour pressure

Description

Klüberalfa HM 83-801 is a high-temperature and long-term grease based on solid lubricants and perfluorinated polyether. It is neutral in odour and shows good high-temperature stability. Owing to its good behaviour when subjected to high surface pressures Klüberalfa HM 83-801 is suitable for ball joints in clutch master cylinders.

A high-viscous base oils and special additives contained in these greases ensure good adhesion and damping properties on ferrous metals and plastics as well as an efficient wear and corrosion protection.

Application

Klüberalfa HM 83-801 has been especially designed for friction points subject to high temperatures in clutch master cylinders and other automotive applications.

Klüberalfa HM 83-801 can be used for the lubrication of rolling and plain bearings, slideways, hinges, locking systems and joints.

Application notes

For optimum lubrication results we recommend cleaning the friction points with white spirit 180/210 and then with Klüberalfa XZ 3-1 prior to first application. Then blow the friction points with clean, dry compressed air or hot air in order to remove all white spirit residues.

The application point has to be bright (i.e. free of oils, greases and perspiration) and free of contamination. Please contact our application engineers to ensure maximum service life.

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	Klüberalfa HM 83-801
Can 1 kg	+
Cartridge 800 g	+
Bucket 10 kg	+

Product data	Klüberalfa HM 83-801
Article number	090094
Chemical composition, type of oil	PFPE
Chemical composition, solid lubricant	solid lubricant
Chemical composition, solid lubricant	PTFE
Upper service temperature	280 °C / 536 °F



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Product data	Klüberalfa HM 83-801
Colour space	white
Density at 20 °C	approx. 1.90 g/cm ³
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
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 80 mm ² /s
Vapour pressure of the base oil at 20 °C	approx. 4x10 ⁻¹³ Torr
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	60 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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