

Description

Klüberalfa® lubricants, based on perfluorinated polyether (PFPE), have been developed for specific lifetime lubrication requirements and have a number of characteristics that make them optimally suited for such tasks.

Klüberalfa YM 3-30 Spray has been formulated for ease of application of a thin lubricant film on electrical contacts and plug-in connectors as well as elastomer and plastic parts. The lubricant is highly resistant to ageing and is suitable for use across a wide temperature range.

The active agent contained in Klüberalfa YM 3-30 Spray is not flammable and resistant to most aggressive chemicals.

Application

Klüberalfa YM 3-30 Spray can be used for the lubrication of plug-in and sliding contacts as well as for plastic parts.

When properly applied, Klüberalfa YM 3-30 Spray

- provides an even, thin and extensive lubricant film
- allows simple and clean application
- is extremely economical in use
- does not require permanently installed dispensing equipment

General behaviour towards plastics and elastomers

Perfluorinated polyether oils are neutral to most elastomers and plastic materials (possible exception: fluorinated rubber).

Thanks to this neutrality, Klüberalfa YM 3-30 Spray is also suitable for use as an assembly aid in plastic-plastic material combinations.

Nevertheless, compatibility of the lubricant with the materials in contact should be verified, especially prior to series application.

Application notes

For optimum results, we recommend cleaning all friction points with white spirit 180/210 and then with Klüberalfa XZ 3-1 prior to initial lubrication. Subsequently, the friction points should be dried with clean, dry compressed air or hot air to remove all solvent residues.

The friction points must be free from oil, grease, perspiration and contamination particles before initial lubrication.

Do not spray towards naked flames, incandescent or hot objects. Observe additional application notes outlined in the material safety data sheet or on the product container.

Klüberalfa® YM 3-30 Spray

- Easy application
- High resistance to ageing
- Resistance to most chemicals
- Neutrality to most plastics and elastomers
- Highly effective lubricating fluid
- Non-flammable

Minimum shelf life

The minimum shelf life is approx. 36 months if the product is stored in its unopened original container in a dry, frost-free place.

Caution: Protect against sunlight and temperatures above 50 °C.

Pack sizes

250 ml can, 12 cans per box

Current material safety data sheets can be downloaded from our website www.klueber.com or requested from Klüber Lubrication.

Klüberalfa® YM 3-30 Spray

Spray for electrical contacts and assembly

Product data

Oil type	PFPE
Propellant	propane/butane
Service temperature range*, [°C]	-60 to +100
Color	colorless
Appearance	clear
Density DIN 51757, 20°C [g/cm ³], approx	1.9
Kinematic viscosity, DIN 51562 pt. 01, Ubbelohde, 40°C, [mm ² /s], approx.	28
Specific resistance at 25°C [Ω/cm]	10 ¹³

* Service temperatures are guide values which depend on the lubricant's composition, the intended use and the application method. Lubricants change their consistency, apparent dynamic viscosity or viscosity depending on the mechano-dynamical loads, time, pressure and temperature. These changes in product characteristics may affect the function of a component.

The data in this product information is based on our general experience and knowledge at the time of printing 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 tests with the selected product. We recommend contacting our Technical Consulting Staff to discuss your specific application. If required and possible we will be pleased to provide a sample for testing. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this product information at any time without notice.



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