

Klüberalfa RM 93-101

PFPE-based surface finishing gel



Benefits for your application

- Optimised noise behaviour of moving polymer components preventing the generation of unpleasant noises
- Simpler assembly as noise-dampening materials such as felt are no longer necessary
- Improved polymer surface finish as components look, sound and feel better
- Versatile due to good compatibility with many plastics and elastomers
- Protection of surfaces against premature UV ageing

Description

Klüberalfa RM 93-101 is based on a perfluorinated polyether oil with an innovative thickener system imparting totally new characteristics. Applied in thin layers, it is transparent and therefore remains invisible on, for example, door seals. Klüberalfa RM 93-101 retains the expected properties of a grease.

Application

Klüberalfa RM 93-101 was developed to prevent creaking and squeaking noises in moving polymer components such as seals. It shows very good compatibility with most elastomers and plastics.

Typical applications are in the automotive industry, e.g. the lubrication of dashboards and door seals. Surfaces wetted with this product are protected against premature UV ageing.

Klüberalfa RM 93-101 can be used in many applications to improve the feel of polymers and reduce noise.

Application notes

The lubricant can be applied by means of spatula, brush or mechanical grease gun. If the product is to be pumped or metered via automatic systems, please consult with the equipment manufacturer to ensure trouble-free operation.

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 RM 93-101
Can 1 kg	+

Product data	Klüberalfa RM 93-101
Article number	090159
Chemical composition, type of oil	PFPE
Chemical composition	inorganic thickener
Lower service temperature	-40 °C / -40 °F
Upper service temperature	120 °C / 248 °F
Colour space	white
Density at 20 °C	approx. 1.90 g/cm ³
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	320 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	380 x 0.1 mm
Shear viscosity at 25 °C, shear rate 300 s ⁻¹ , equipment: rotational viscometer, lower limit value	2 000 mPas
Shear viscosity at 25 °C, shear rate 300 s ⁻¹ , equipment: rotational viscometer, upper limit value	4 000 mPas



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Product data	Klüberalfa RM 93-101
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 100 mm ² /s
Flow pressure of lubricating greases, DIN 51805, test temperature: -40 °C	<= 1 400 mbar
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	24 months

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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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