

# Klüberbeta RM 47-291

Special grease for elastomers and plastics



## Your benefits at a glance

- **Longer component life due to**
  - low friction coefficients across a wide service temperature range
  - good compatibility with elastomers and plastics
- **Simple handling enabled by good wetting of functional surfaces**

## Your requirements - our solution

As a manufacturer of pneumatic systems you expect valves to operate smoothly at both high and low temperatures.

You therefore need a grease that is compatible with the materials used and also has a wide service temperature range.

Klüberbeta RM 47-291 is a special grease enabling smooth component operation at low temperature and offering high thermal stability. It is based on silicone oils and contains a lithium soap thickener. Due to its specific consistency, it shows good backflow behaviour into the lubrication gap.

Its shows notably good compatibility with many elastomers (except silicone rubber) and plastics.

## Application

Klüberbeta RM 47-291 is primarily used for the lubrication of sealing elastomers. In such applications it attains minimum friction coefficients even at low temperatures. The product also shows good compatibility with a multitude of materials and good stability at high temperatures.

Exemplary fields of application are O-ring seals in pneumatic equipment in cars.

## Application notes

Klüberbeta RM 47-291 was developed for the lubrication of elastomers and plastics. However, due to the great variety of materials in the market, we recommend checking the compatibility with the materials in contact, especially prior to series application.

Klüberbeta RM 47-291 can be applied by grease gun, brush, spatula or using automatic 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	Klüberbeta RM 47-291
Can 500 g	+
Bucket 10 kg	+
Bucket 25 kg	+

Product data	Klüberbeta RM 47-291
Article number	022237
Colour space	beige
Texture	homogeneous
Texture	fibrous
Density at 20 °C	approx. 1.05 g/cm <sup>3</sup>
Drop point, DIN ISO 2176, IP 396	>= 250 °C
Oil separation, ASTM D 6184 [FTMS 791 C 321], after 30 h/100 °C	<= 3 % by weight
Lower service temperature	-50 °C / -58 °F



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Product data	Klüberbeta RM 47-291
Upper service temperature	140 °C / 284 °F
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
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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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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