

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

Pack sizes	Klüberbeta RM 47-291
Bucket 10 kg	+
Bucket 25 kg	+

Characteristics	Klüberbeta RM 47-291
Article number	022237
Composition, thickener	lithium complex soap
Composition, type of oil	silicone oil
Colour space	beige
Texture	fibrous , homogeneous

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Characteristics	Klüberbeta RM 47-291
Service temperature, lower limit	-50 °C
Service temperature, upper limit	140 °C
Density, Klüber method: PN 024, 20°C	approx. 1.05 g/cm ³
NLGI grade, DIN 51818	1
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	310 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	340 0.1 mm
Oil separation, ASTM D6184, 30 h, 100°C	≤ 3 % by weight
Dropping point, DIN ISO 2176 / IP 396	≥ 250 °C
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 90 years.

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