

Klüberbeta RM 47-102

Speciality lubricant for elastomers, duroplastics and thermoplastics



Your benefits at a glance

- Low emissions and fogging values in vehicle passenger compartments
- Good low-temperature behaviour and wide service temperature range
- Compatible with a wide range of elastomers and plastics
- Good wetting of functional surfaces

Your requirements - our solution

Klüberbeta RM 47-102 is based on silicone oil and a lithium special soap. It ensures smooth running across a wide temperature range from -40 °C to +180 °C and is extremely compatible with many elastomers, duroplastic and thermoplastic materials.

Application

Klüberbeta RM 47-102 is particularly suitable for lubrication of the following material combinations:

plastic/plastic, elastomer/plastic, plastic/metal.

Application examples for Klüberbeta RM 47-102 are:

- air conditioning ventilation valves
- automotive gear shift gates and linkages
- elastomer seals (including EPDM types)

Klüberbeta RM 47-102 enables lifetime lubrication whilst preventing annoying creaking or squeaking noises in mechanical components. It also assures "low fogging" and emission values, e.g. in air conditioning systems in car interiors.

Application notes

The lubricant can be applied by spatula, brush or grease gun. With regard to the many different compositions of elastomers and plastics, we recommend checking compatibility prior to series application. To ensure optimum adhesion, it is advisable to clean the friction points prior to initial application of the lubricant.

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 47-102
Can 1 kg	+
Bucket 25 kg	+

Characteristics	Klüberbeta RM 47-102
Article number	022223
Colour space	white
Service temperature, lower limit	-50 °C
Service temperature, upper limit	180 °C
Density, Klüber method: PN 024, 20°C	approx. 0.96 g/cm ³
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	265 0.1 mm

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Characteristics	Klüberbeta RM 47-102
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	295 0.1 mm
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s ⁻¹ , lower limit	2000 mPas
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s ⁻¹ , upper limit	8000 mPas
Oil separation, ASTM D6184, based on standard, 30 h, 150°C	≤ 3 % by weight
Dropping point, DIN ISO 2176 / IP 396	≥ 220 °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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