

BARRIERTA L 25 DL

Special lubricating grease for the lubrication of sensitive plastics and elastomers



Your benefits at a glance

- Compatibility with plastics and elastomers, e.g. EPDM or silicone elastomers Low friction forces in plastic/plastic and elastomer/metal combinations
- Good water resistance
- Slower ageing of elastomers exposed to sunlight
- BARRIERTA L 25 DL SPRAY can be applied in particularly thin layers, requiring only a minimum of time.

Your requirements - our solution

BARRIERTA L 25 DL is based on perfluorinated polyether oil and PTFE and thus resistant to many media such as water or hydrocarbons.

Do you need to attain low friction coefficients in elastomer/metal or plastic/plastic friction points over a long time and across a wide temperature range? BARRIERTA L 25 DL can help you keep friction low even at temperatures of -25 °C, especially when lubricating seals in train doors. This will enable you to meet requirements for low pressure variations in trains going through tunnels and constant actuating forces for doors over a wide temperature range.

For train door seals, which might come into contact with passengers' clothes, BARRIERTA L 25 DL SPRAY is particularly beneficial because it can be applied in a very thin lubricant film. This helps prevent the contamination of passengers with lubricant while enabling any trapped pieces of clothes to be pulled free with a minimum of force.

Do your customers expect a long service life of seals, even if they are frequently exposed to direct sunlight? BARRIERTA L 25 DL absorbs some of the sunlight's UV radiation, keeping the seal pliant for longer.

Do you need a lubricant that is compatible with sensitive materials? Field experience has shown the product's good compatibility with many sensitive plastic materials such as PC, or with elastomers such as EPDM.

Do you have optical applications requiring a lubricant that does not form a condensate on lenses? With the low vapour pressure of its base oil, BARRIERTA L 25 DL offers what it takes to prevent the formation of condensates.

Application

BARRIERTA L 25 DL is preferably used for lubricating seals in train doors. It has also been used as a special lubricant for optical equipment for many years.

When using BARRIERTA L 25 DL SPRAY, you can apply a lubricant film of very low thickness. The application of BARRIERTA L 25 DL SPRAY to the seal is also particularly fast, enabling optimised processing times for each door seal.

Application notes

Seals in train doors should be free from impurities prior to initial lubrication.

When applying BARRIERTA L 25 DL SPRAY, the spray bottle should be shaken forcefully several times prior to spraying as well as at least once per minute during application.

For use in precision optics, we recommend cleaning the friction point prior to initial application first with white spirit 180/210 and then with Klüberalfa XZ 3-1. Then blow the surfaces with clean, dry compressed air or hot air to remove solvent residues. For the initial lubrication the friction point must always be blank (that means free of oils, greases and perspiration) and free of soil particles. To optimise service life, please contact our technical sales staff.

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.

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Pack sizes	BARRIERTA L 25 DL	BARRIERTA L 25 DL SPRAY
Aerosol can 400 ml		+
Can 1 kg	+	
Can 180 g	+	
Bucket 10 kg	+	

Hint

Except for the article number and the minimum shelf life, the spray data below refer to the solvent-free spray agent.

Characteristics	BARRIERTA L 25 DL	BARRIERTA L 25 DL SPRAY
Article number	090020	081379
Composition, solid lubricant	PTFE	PTFE
Composition, type of oil	PFPE	PFPE
Colour space	white	white
Service temperature, lower limit	-40 °C	-40 °C
Service temperature, upper limit	150 °C	150 °C
Density, Klüber method: PN 024, 20°C	approx. 1.95 g/cm ³	approx. 1.95 g/cm ³
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	270 0.1 mm	270 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	300 0.1 mm	300 0.1 mm
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s ⁻¹	approx. 4000 mPas	approx. 4000 mPas
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C	approx. 11 mm ² /s	approx. 11 mm ² /s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 90 mm ² /s	approx. 90 mm ² /s
Flow pressure, DIN 51805-2, -40°C	≤ 1400 mbar	≤ 1400 mbar
Water resistance, DIN 51807-1, 3 h, 90°C	0 - 90 rating	0 - 90 rating
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	60 months	24 months

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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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