

# 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 resistance to water
- Slower ageing of elastomers exposed to sunlight

## 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 door seals, for example 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.

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.

## Application notes

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

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 initial lubrication, the friction points must be clean and bright, i.e. free from oil, grease, perspiration and contamination. To optimise lubricant life, please contact our Technical Sales staff.

## 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	BARRIERTA L 25 DL
Can 1 kg	+

Product data	BARRIERTA L 25 DL
Article number	090020
Chemical composition, solid lubricant	PTFE
Chemical composition, type of oil	PFPE
Lower service temperature	-40 °C / -40 °F
Upper service temperature	150 °C / 302 °F
Colour space	white
Density at 20 °C	approx. 1.95 g/cm <sup>3</sup>



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Product data	BARRIERTA L 25 DL
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	270 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	300 x 0.1 mm
Shear viscosity at 25 °C, shear rate 300 s <sup>-1</sup> ; equipment:rotational viscometer	approx. 4 000 mPas
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 11 mm <sup>2</sup> /s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 90 mm <sup>2</sup> /s
Flow pressure of lubricating greases, DIN 51805, test temperature: -40 °C	<= 1 400 mbar
Water resistance, DIN 51807 pt. 01, 3 h/90 °C, rating	0 - 90
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	60 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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