

# ISOFLEX PDL 300 A

High-performance grease for rolling bearings operating at low temperatures



## Benefits for your application

- For low temperatures
- Uniformly low starting and running torque
- Resistant to ageing and oxidation
- Good corrosion protection

## Description

ISOFLEX PDL 300 A is a synthetic high-performance grease for low temperatures. It consists of ester oil and lithium soap. Owing to its well-balanced texture and consistency, this special grease ensures uniformly low starting and running torques.

## Application notes

The lubricant is applied by brush, spatula, or grease gun. Owing to the different compositions of elastomers and plastic materials, compatibility tests are indispensable before series application.

## Application

ISOFLEX PDL 300 A is suitable for plain and rolling bearings, and for sliding points such as cams, bolts, meters, cam plates, and adjusting rings used in automotive, telecommunications and precision engineering, in instruments, and in cryotechnology applications.

## 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	ISOFLEX PDL 300 A
Can 1 kg	+
Bucket 25 kg	+

Product data	ISOFLEX PDL 300 A
Article number	004074
Lower service temperature	-70 °C / -94 °F
Upper service temperature	110 °C / 230 °F
Colour space	yellow
Texture	homogeneous
Density at 20 °C	approx. 0.94 g/cm <sup>3</sup>
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	280 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	320 x 0.1 mm
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 7.5 mm <sup>2</sup> /s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 2.6 mm <sup>2</sup> /s
Shear viscosity at 25 °C, shear rate 300 s <sup>-1</sup> , equipment: rotational viscometer, lower limit value	1 000 mPas
Shear viscosity at 25 °C, shear rate 300 s <sup>-1</sup> , equipment: rotational viscometer, upper limit value	2 500 mPas
Copper corrosion, DIN 51811, (lubricating grease), 24h/100°C	1 - 100 corrosion degree



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Product data	ISOFLUX PDL 300 A
Drop point, DIN ISO 2176, IP 396	>= 180 °C
Speed factor (n x dm)	1 000 000 mm/min
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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