

ISOFLEX PDB 38 CX 1000

Low-temperature fluid grease



Benefits for your application

- Dynamically light fluid grease
- Suitable for low temperatures
- Good wetting properties
- Reduced heating-up of machine elements
- Noise-dampening
- Low starting and running torques

Description

ISOFLEX PDB 38 CX 1000 is a light yellow low-temperature fluid grease consisting of ester oil, mineral oil and lithium soap. It is resistant to ageing and oxidation, offers good corrosion protection and has a good backflow behaviour.

Application

ISOFLEX PDB 38 CX 1000 is used for grease-lubricated small gears or for sump lubrication. It is a fluid grease that can be operated at low starting and running torques. It is also suitable for impregnating sintered bearings of all material groups for use at maximum temperatures of 100 °C.

Application notes

For sintered bearings, ISOFLEX PDB 38 CX 1000 is to be applied in a vacuum at approx. 80 °C using customary application devices.

For gears, dip-feed lubrication is to be used.

Due to the large variety of different elastomers and plastics, their compatibility with the grease has to be checked prior to series application.

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	ISOFLEX PDB 38 CX 1000
Can 1 kg	+
Bucket 25 kg	+

Product data	ISOFLEX PDB 38 CX 1000
Article number	004051
Texture	homogeneous
Texture	liquid
Colour space	yellow
Lower service temperature	-60 °C / -76 °F
Upper service temperature	120 °C / 248 °F
Density, DIN 51757, 20 °C	approx. 0.92 g/cm ³
Worked penetration, acc. to Klein, 25 °C, lower limit value	900 x 0.1 mm
Worked penetration, acc. to Klein, 25 °C, upper limit value	1 100 x 0.1 mm
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 13 mm ² /s



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Product data	ISOFLUX PDB 38 CX 1000
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 3.5 mm ² /s
Shear viscosity at 25°C, shear rate 300 s ⁻¹ , equipment:rotational viscometer, upper limit value	800 mPas
Shear viscosity at 25 °C, shear rate 300 s ⁻¹ , equipment: rotational viscometer, lower limit value	200 mPas
Copper corrosion, DIN 51811, (lubricating grease), 24h/100°C	1 - 100 corrosion degree
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	24 months

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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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