

ISOFLEX PDB 38 CX 1000

Low-temperature fluid grease



Your benefits at a glance

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

Your requirements - our solution

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 | + |

| Characteristics | ISOFLEX PDB 38 CX 1000 |
|--|--------------------------------|
| Article number | 004051 |
| Colour space | yellow |
| Texture | homogeneous , liquid |
| Service temperature, lower limit | -60 °C |
| Service temperature, upper limit | 120 °C |
| Density, DIN 51757, 20°C | approx. 0.92 g/cm ³ |
| Worked penetration, Klein, 25°C, lower limit | 900 0.1 mm |

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| Characteristics | ISOFLEX PDB 38 CX 1000 |
|---|--------------------------------|
| Worked penetration, Klein, 25°C, upper limit | 1100 0.1 mm |
| Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s ⁻¹ , lower limit | 200 mPas |
| Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s ⁻¹ , upper limit | 800 mPas |
| Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C | approx. 3.5 mm ² /s |
| Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C | approx. 13 mm ² /s |
| Copper corrosion, DIN 51811, 24 h, 100°C | 1 - 100 - 24 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 |

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.

Klüber Lubrication München GmbH & Co. KG /
Geisenhausenerstraße 7 / 81379 München / Germany /
phone +49 89 7876-0 / fax +49 89 7876-333.

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