

ISOFLEX PDB 38/300

Smooth-running grease for instruments and bearings



Description

ISOFLEX PDB 38/300 is a dynamically very light synthetic grease for smooth running of bearings and instruments also at low temperatures. It is based on ester oil and silicate. ISOFLEX PDB 38/300 offers good corrosion protection.

Application

ISOFLEX PDB 38/300 has proven effective in miniature bearings or capped bearings, gears, plain bearings, sintered-metal plain bearings, servo motors, segment rings and other sliding points in precision engineering. It can also be used for very low torques in sound recording installations and film cameras, e.g. motor-driven adjustment of lenses, as well as for measuring devices, instruments and slipping clutches.

Application notes

ISOFLEX PDB 38/300 can be applied by brush, spatula or using customary application devices.

Owing to the many different elastomer and plastic compositions their compatibility has to be checked prior to series applications.

Minimum shelf life

The minimum shelf life is approx. 24 months if the product is stored in its unopened original container in a dry, frost-free place.

Pack size

1 kg can

ISOFLEX PDB 38/300

- Smooth-running grease for instruments and bearings
- Dynamically very light grease
- Good corrosion protection

Product data

Base oil, thickener	ester oil, silicate
Service temperature range*, °C, approx.	-50 to 100
Color	beige
Texture	homogeneous, short-fibred
Density at 20 °C, g/cm ³ , approx.	0.95
Worked penetration at 25 °C, DIN ISO 2137, 0.1 mm	280 - 320
Base oil viscosity, DIN 51562 pt. 01 at 40 °C, mm ² /s, approx.	12
at 100 °C, mm ² /s, approx.	3
Copper corrosion, DIN 51811, 24 h / 100 °C, corrosion degree	1 - 100
Speed factor (n x d _m)**, mm x min ⁻¹ , approx.	500,000

* Service temperatures are guide values which depend on the lubricant's composition, the intended use and the application method. Lubricants change their consistency, apparent dynamic viscosity or viscosity depending on the mechano-dynamical loads, time, pressure and temperature. These changes in product characteristics may affect the function of a component.

** Speed factors are guide values which depend on the type and size of the rolling bearing type and the local operating conditions, which is why they have to be confirmed in tests carried out by the user in each individual case.

The data in this product information is based on our general experience and knowledge at the time of printing and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary tests with the selected product. We recommend contacting our Technical Consulting Staff to discuss your specific application. If required and possible we will be pleased to provide a sample for testing. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this product information at any time without notice.



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