

LUKOIL POLYFLEX EP 1-1200 LC HD

Grease for high-loaded low-speed bearings

DESCRIPTION

LUKOIL® POLYFLEX EP 1-1200 LC HD grease is based on high viscosity oil (ISO VG 1200), lithium-calcium soap and especially efficient EP/AW additives. It is intended for extremely heavy-duty operation conditions and contains solid lubricants to provide operation under boundary friction conditions.

LUKOIL® POLYFLEX EP 1-1200 LC HD grease is developed for large slow-speed rolling bearings, special purpose roller presses as well as sliding bearings subject to high loads.

LUKOIL® POLYFLEX EP 1-1200 LC HD contains high-viscosity oil and solid lubricants in its formulation, aiming to provide excellent anti-wear and extreme pressure features for smooth movement without jerks, reliable protection of equipment under extremely high sliding loads and shock loads.



ADVANTAGES:

- Intended for extremely heavy-duty operation conditions
- Excellent pumping ability
- Superior extreme pressure properties
- Operation under conditions of boundary friction
- Low coefficient of friction

COMPOSITION:

- Highly purified mineral oil
- Lithium-calcium soap
- Additive package
- Solid lubricants

APPLICATION IN UNITS:

- Extremely high-loaded slow-speed rolling bearings
- Sliding bearings
- Bushings, swivels

APPLICATION EXAMPLES:

- Spherical roller bearings of cement kiln support bearings and retaining rollers
- Sieve screen bearings
- Roller press bearings
- Bearings of mills and rotary grinders

LUKOIL® POLYFLEX EP 1-1200 LC HD. Edition 12/21 replaces edition 04/19

This product is manufactured according to STO 65561488-029-2015

LUKOIL® POLYFLEX EP 1-1200 LC HD TYPICAL PROPERTIES

Standard	Property	Unit	Value
DIN 51502	Marking according to DIN 51502		KPF1K-20
	Color		Grey
	Service temperature range	°C	–20 to +120
DIN 51818	NLGI grade		1
ISO 2137	Worked penetration (60 strokes)	mm/10	310–340
DIN 51562	Base oil viscosity @ 40 °C	mm ² /s	1200
ISO 2176	Dropping point	°C	>200
ASTM D2596	Four Ball Weld Load @ 25 °C	N kg	3920 400
ASTM D2266	Four Ball Wear Scar Diameter	mm	0.5
DIN 51802	Corrosion protection (SKF-Emcor, distilled water)		0-0

HOW TO USE

This grease can be applied manually with a brush or spatula, as well as through centralized lubrication system.

USABLE LIFE AND STORAGE

The guaranteed shelf life is 36 months from the date of manufacture in the manufacturer's container, subject to the conditions of transportation and storage.

HANDLING PRECAUTIONS

This product doesn't contain any toxic ingredients. During storage, transportation, and application of this product, the safety rules for handling mineral lubricating materials and the environment protection regulations must be observed.

For further information on how to use LUKOIL® products, please refer to the product MSDS.

TECHNICAL SUPPORT

For correct selection of the proper lubricating materials to meet your needs, and to get more detailed information on the products, as well as if you have any other questions, we recommend you to contact our technical support service specialists by e-mail: grease.support@lukoil.com

LUKOIL® POLYFLEX EP 1-1200 LC HD. Edition 12/21 replaces edition 04/19

Product technical properties are typical and can vary in strong limits.

Due to research and development of science and technology technical properties of product indicated in this Technical Data Sheet can be changed without notification.