

LUKOIL POLYFLEX EP 2-220 LC

Multi-Purpose Water Washout Resistant Lithium-Calcium Grease

DESCRIPTION

LUKOIL® POLYFLEX EP 2-220 LC is multi-purpose grease based on the high-quality mineral base oils blend thickened with lithium-calcium soap fortified with package of the high-performance additives improving performances.

LUKOIL® POLYFLEX EP 2-220 LC grease has high tribological features and can operate in conditions of permanent high humidity and in total contact with water, within a wide temperature range from -25 up to +120°C in units under medium to high loads.

Due to its composition, LUKOIL® POLYFLEX EP 2-220 LC grease reduces friction and wear, especially on the friction pairs subject to medium and high loads. The grease is formulated to provide excellent thermal stability and high structure stability during storage and operation.

LUKOIL® POLYFLEX EP 2-220 LC grease has soft wet consistency and smooth structure.



ADVANTAGES:

- Excellent mechanical stability
- Very good water resistance
- Excellent extreme pressure properties
- Low coefficient of friction
- Very good anti-corrosion properties
- Reliable lubrication of the equipment subject to vibration
- Extended service life

COMPOSITION:

- High-purified mineral oil
- Specialty lithium-calcium soap
- Additive package: EP, AW, anti-oxidation and anti-corrosion additives

APPLICABLE IN UNITS:

- Rolling and sliding bearings
- Hub bearings
- Bearings subject to vibration
- Lubrication of the components made of nonferrous metals

APPLICATIONS:

- Bearings of the construction and off-road machinery
- Widely used on bearings of the industrial equipment, automotive, construction and agricultural machinery operating at the ordinary temperatures and in total contact with water
- Centralized lubrication systems where use of NLGI 2 class lubricant is allowed.

LUKOIL POLYFLEX EP 2-220 LC. Edition 04/18 replaces edition 01/17

This product is manufactured according to STO 65561488-009-2016

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TYPICAL PROPERTIES

Standard*	Property	Unit	Value
DIN 51502	Marking according to DIN 51502		KP2K-25
	Color, appearance	Straw, brown, homogeneous	
	Service temperature range	°C	-25 to +120
DIN 51818	NLGI consistency class		2
ISO 2137	Worked penetration (mixed, 60 double strokes)	mm/10	265-295
DIN 51562	Base oil viscosity at 40°C	mm ² /s	220
DIN 51562	Base oil viscosity at 100°C	mm ² /s	19
ISO 2176	Drop point	°C	>200
ASTM D2596	Weld load (4-ball machine test) at 25°C	N	2930
ASTM D2266	Wear scar (4-ball machine test)	mm	0.5
DIN 51802	Corrosion degree (rolling bearings, distilled water)		0-0
ASTM D 4048	Corrosion degree (copper strip)		1a

*DIN: Deutsche Industrie Norm.

ISO: International Standardization Organization.

ASTM: American Society for Testing and Materials.

HOW TO USE

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

USABLE LIFE AND STORAGE

When stored in the original unopened containers in a dry place, this product has a shelf life of at least 36 months from the date of production.

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

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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.