

LUKOIL POLYFLEX EP 2-220 LC HD

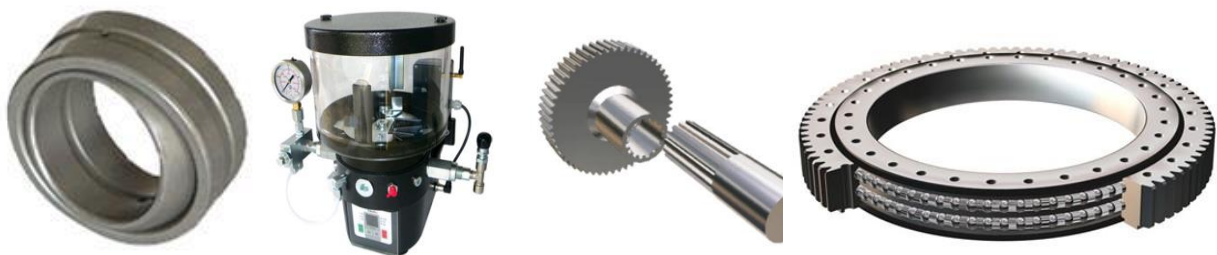
Multi-purpose lithium-calcium grease with molybdenum disulfide

DESCRIPTION

LUKOIL® POLYFLEX EP 2-220 LC HD is antifriction grease based on a mixture of high-quality mineral base oils thickened with special lithium-calcium soap. The lubricant is fortified with a highly effective complex of additives improving performance and contains solid lubricants for operation in conditions of boundary friction. Operating temperature range from -25 to + 120°C.

LUKOIL POLYFLEX EP 2-220 LC HD grease contains specially selected additives in its formula, which provide excellent protection of lubricated parts from corrosion in conditions of constant high humidity and in full contact with water.

The presence of molybdenum disulfide gives the LUKOIL POLYFLEX EP 2-220 LC HD lubricant excellent anti-wear and extreme pressure characteristics that ensure smooth movement without jerks, reliable protection of equipment in conditions of high specific sliding loads and shock loads, and provides stable pumpability in the centralized lubrication system.



ADVANTAGES:

- Good pumpability
- Very good water resistance
- Excellent extreme pressure properties
- Prevents sticking and jamming
- Low coefficient of friction
- Very good anti-corrosion properties

COMPOSITION:

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

APPLICABLE IN UNITS:

- Heavy-loaded sliding bearings
- Splined joints, studs, pivots, pins, axes
- Medium-loaded gear drives
- Various sliding surfaces operating on low speeds and under high dynamic loads
- Centralized and individual lubrication systems

APPLICATIONS:

- Wide application in agriculture, mining and construction equipment
- Various mechanisms that operate under severe conditions and are at risk of jamming
- It is used in centralized and individual lubrication systems where use of NLGI class 2 greases with solid lubricants is recommended

LUKOIL POLYFLEX EP 2-220 LC HD. Edition 07/20.

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

LUKOIL® POLYFLEX EP 2-220 LC HD

TYPICAL PROPERTIES

Standard*	Property	Unit	Value
DIN 51502	Marking according to DIN 51502		KPF2K-25
	Color, appearance	dark-grey	
	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
ISO 2176	Drop point	°C	>190
ASTM D2596	Weld load (4-ball machine test) at 25°C	N	3150
ASTM D2266	Wear scar (4-ball machine test)	mm	0,5
DIN 51802	Corrosion degree (rolling bearings, distilled water)		0-0

*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.