

LUKOIL POLYFLEX EP 2-460 LC

Special lithium-calcium grease

DESCRIPTION

LUKOIL® POLYFLEX EP 2-460 LC is a grease based on high-quality high-viscous mineral base oil blend thickened with specialty lithium-calcium soap. That's why the grease is applicable under hot and wet climate conditions and full contact with water. The grease is fortified with package of additives improving its performance. Service temperature range is from –20 °C up to +140 °C.

LUKOIL® POLYFLEX EP 2-460 LC grease has excellent anti-wear and extreme pressure features, providing smooth movement without jerks.

LUKOIL® POLYFLEX EP 2-460 LC grease contains specially selected additives in its formula, which provide excellent water washout and corrosion protection of lubricated components in wet environment conditions.



ADVANTAGES:

- Excellent anti-wear properties
- Prevents sticking and seizure
- Superior extreme pressure properties
- Very good water resistance
- Good anti-corrosion properties
- Excellent adhesion

COMPOSITION:

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

APPLICATION IN UNITS:

- Rolling bearings
- Sliding bearings, guideways
- Bushings, swivels

APPLICATION EXAMPLES:

- Rolling bearings of mining equipment and underground machinery operating under high dynamic loads, strong vibrations and high temperatures for a long time
- Press and roller table bearings
- Other friction units where lubricant with sealing effect for preventing the ingress of dirt, dust and water is required

LUKOIL® POLYFLEX EP 2-460 LC. Edition 12/21 replaces edition 09/19

This product is manufactured according to STO 65561488-029-2016

LUKOIL® POLYFLEX EP 2-460 LC TYPICAL PROPERTIES

Standard	Property	Unit	Value
DIN 51502	Marking according to DIN 51502		KP2N-20
ISO 6743-9	Marking according to ISO 6743-9		L-XBCFB 2
	Color		Beige to light brown
	Service temperature range	°C	-20 to +140
DIN 51818	NLGI grade		2
ISO 2137	Worked penetration (60 strokes)	mm/10	265–295
DIN 51562	Base oil viscosity @ 40 °C	mm²/s	460
DIN 51562	Base oil viscosity @ 100 °C	mm²/s	31
ISO 2176	Dropping point	°C	>200
ASTM D2596	Four Ball Weld Load @ 25 °C	N	2930
		kg	299
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 2-460 LC. Edition 12/21 replaces edition 09/19

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.