

# LUKOIL POLYFLEX EP 160

## Multipurpose antifriction greases

### PRODUCT DESCRIPTION

**LUKOIL POLYFLEX EP 160** is a series of multipurpose greases manufactured from the mixture of base mineral oils thickened by lithium soap, with a combination of high-performant additives enhancing its operational performance. The greases of this series are characterized by good tribological performance, can operate at elevated temperatures and loads, as well as possible water ingress in high humidity conditions.

The operating temperature range is from minus 30 °C to plus 120 °C.

### APPLICATION



The **LUKOIL POLYFLEX EP 160** Series greases are recommended for use in a broad spectrum of equipment as multipurpose greases. Can be used to lubricate plain and rolling bearings, gear systems and couplings, chassis components and electrical motors in industrial, mineral mining and processing equipment, construction machinery and vehicles operating at elevated specific and shock loads.

### BENEFITS

- **Unification.** Universal applicability of the greases allows for reducing the lubricants stock assortment.
- **Corrosion protection.** Due to a special additive package the greases provide excellent corrosion protection of the parts exposed to high humidity.
- **High load-carrying ability.** The greases have enhanced anti-wear, anti-corrosion and extreme-pressure characteristics contributing to a reliable equipment protection at high sliding and shock loads.

- **High stability.** Due to the careful base oil selection and lithium thickener, the greases have a high stability against thermal, structural and oxidative destruction.
- **Performance stability at low temperatures.** The greases have a soft structure ensuring very good cold-temperature pumpability.
- **Extending service life.** Innovative formulation ensures a long-term operation of the friction units, which contributes to lowering the maintenance costs.
- **Excellent adhesion properties.** It allows for lowering the lubricant consumption and maintaining a stable lubricating film at high angular velocity.

### ENVIRONMENTAL PROTECTION

The waste is to be collected in special containers and sent to the special treatment facilities or disposal sites approved by the local Agency for Health and Consumer Rights.

Avoid the lubricant release into soil and water bodies.

### SAFETY OF THE USE

The grease has no adverse effect on human health and the environment, if used in the recommended areas of application and handled in accordance with the rules of personal and industrial hygiene. More information on the safe use of consistent greases is contained in the Safety Data Sheet.

### РЕКОМЕНДАЦИИ

For a correct lubricant selection, additional information on our products and any other questions we recommend to contact the technical support specialists: [grease.support@lukoil.com](mailto:grease.support@lukoil.com)

The product is manufactured as per STO 65561488-011-2014

## **STANDARD CHARACTERISTICS**

НАИМЕНОВАНИЕ ПОКАЗАТЕЛЯ	EP 00-160	EP 0-160	EP 1-160	EP 2-160	EP 3-160
Класс NLGI	00	0	1	2	3
Обозначение по DIN 51502	КР00К-30	КР0К-30	КР1К-30	КР2К-30	КР3К-30
Цвет	От светло-желтого до коричневого цвета				
Тип мыла	Li	Li	Li	Li	Li
Тип базового масла	Минеральное	Минеральное	Минеральное	Минеральное	Минеральное
Диапазон рабочих температур, °С	-30...+120	-30...+120	-30...+120	-30...+120	-30...+120
Вязкость базового масла при 40 °С, мм <sup>2</sup> /с	160	160	160	160	160
Температура каплепадения, °С, не менее	-	150	170	190	190
Пенетрация при 25 °С после перемешивания, 0,1 мм	400-430	355-385	310-340	265-295	220-250
Четырехшариковая машина трения:					
▪ нагрузка сваривания, Н, не менее	2800	2800	2800	2800	2800
▪ показатель износа, мм, не более	0,5	0,5	0,5	0,5	0,5

The standard product characteristics do not constitute the manufacturer's specification. They can be subject to change in accordance with the requirements of INTESMO, LLC.