

# LUKOIL GEAROFLEX EP 00-100 RW

Semi-fluid all-season gearbox grease

## **DESCRIPTION**

LUKOIL® GEAROFLEX EP 00-100 RW is based on highly purified, high viscosity index mineral oil thickened with lithium soap and contains a special package of additives.

LUKOIL® GEAROFLEX EP 00-100 RW is intended for use in traction gearboxes of locomotives and railway multiple units, gearboxes of agricultural, road and construction equipment, industrial equipment of metallurgical, mining and so on.

LUKOIL® GEAROFLEX EP 00-100 RW can be used in locomotive gearboxes with a combined gear lubrication system, pinion shaft bearings, support bearings of gearboxes and axial motor rolling bearings with a dynamic load capacity of at least 1500 kN.



<p><b>ADVANTAGES:</b></p> <ul style="list-style-type: none"> <li>• No seasonal change of lubricant</li> <li>• High level of oxidation stability</li> <li>• Excellent anti-wear properties</li> <li>• Good corrosion resistance</li> </ul>	<p><b>COMPOSITION:</b></p> <ul style="list-style-type: none"> <li>• Highly purified mineral oil</li> <li>• Specialty lithium soap</li> <li>• EP, AW, anti-oxidation and anti-corrosion additives</li> </ul>
<p><b>APPLICATION IN UNITS:</b></p> <ul style="list-style-type: none"> <li>• Gearboxes</li> <li>• Rolling and sliding bearings</li> </ul>	<p><b>APPLICATION EXAMPLES:</b></p> <ul style="list-style-type: none"> <li>• Locomotive gearboxes</li> <li>• Support bearings of gearboxes</li> <li>• Axial motor rolling bearings</li> <li>• Gearboxes for agricultural, road and construction equipment, industrial equipment of mining, metallurgical, and other facilities</li> </ul>

LUKOIL® GEAROFLEX EP 00-100 RW. Edition 12/21 replaces edition 01/21

This product is manufactured according to TU 0254-003-65561488-2014

**LUKOIL® GEAROFLEX EP 00-100 RW TYPICAL PROPERTIES**

Standard	Property	Unit	Value
	Color, appearance		Brown to dark brown, homogeneous
GOST 5346, A	Worked penetration (60 strokes)	mm/10	320–400
GOST 26581	Viscosity @ –30 °C and an average gradient of deformation rate of 10 s <sup>-1</sup>	Pa·s	1000
GOST 26581	Viscosity @ 20 °C and an average gradient of deformation rate of 10 s <sup>-1</sup>	Pa·s	20
GOST 9490	Four Ball Weld Load @ 25 °C	N kg	3087 315
GOST 9490	Four Ball Non-Seizure Load	N kg	1098 112
GOST 9490	Four Ball Wear Scar Diameter	mm	<0.7
GOST 9490	Load Wear Index	N	500
GOST 9.080	Corrosive effect on steel		Pass
GOST 9.080	Corrosive effect on brass		Pass

**HOW TO USE**

This grease is applied by the mortgage way.

**USABLE LIFE AND STORAGE**

The guaranteed shelf life is 60 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](mailto: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.