

# LUKOIL CARBOFLEX OG 00-10000 HD

Specialty grease for gear drives operating under extreme loads

## DESCRIPTION

LUKOIL® CARBOFLEX OG 00-10000 HD is grease based on specialty high-viscosity mineral oil and complex aluminium soap with high content of solid lubricants.

LUKOIL® CARBOFLEX OG 00-10000 HD is high-quality specialty grease to lubricate by spraying large open gear drives of the rotary kiln cogwheels, tunnel mills in the cement and mining industries. Suitable for lubrication and protection of any other open mechanisms, steel cables, chains and other units.

LUKOIL® CARBOFLEX OG 00-10000 HD grease can be applied by spraying within the temperature range from 0 °C up to +120 °C. The grease is formulated to provide reliable lubrication, resistance to extreme loads, excellent thermal stability, and high structure stability during storage and operation.



### ADVANTAGES:

- Excellent adhesion
- Very high load carrying capacity
- High damping capacity
- Good water resistance
- Suitable for hot climates

### COMPOSITION:

- High-viscosity mineral oil
- Complex aluminium soap
- Additive package: anti-oxidation, anti-corrosion, and adhesive additives
- Solid lubricants

### APPLICATION IN UNITS:

- Open gear drives
- Splined joints
- Guideways
- Cables
- Chains

### APPLICATION EXAMPLES:

- Open gear drives of the rotary kilns and tunnel mills
- Steel wire ropes
- Centralized lubrication systems of the quarry and mining machinery

LUKOIL® CARBOFLEX OG 00-10000 HD. Edition 12/21 replaces edition 09/19

**This product is manufactured according to STO 65561488-057-2016**

**LUKOIL® CARBOFLEX OG 00-10000 HD TYPICAL PROPERTIES**

Standard	Property	Unit	Value
DIN 51502	Marking according to DIN 51502		OGPF00K 0
	Color		Black
	Service temperature range	°C	0 to +120
DIN 51818	NLGI grade		00
ISO 2137	Worked penetration (60 strokes)	mm/10	400-430
DIN 51562	Base oil viscosity @ 40 °C	mm²/s	10000
DIN 51805	Flow pressure @ 10 °C	mBar	<1400
ASTM D2596	Four Ball Weld Load @ 25 °C	N kg	6938 708
ASTM D2266	Four Ball Wear Scar Diameter	mm	0.6

**HOW TO USE**

This grease can be applied by spraying, 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](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.