

LUKOIL CARBOFLEX OG 0-680 HD

Specialty complex aluminium greases with solid lubricants for gear drives

DESCRIPTION

LUKOIL® CARBOFLEX OG 0-680 HD is grease based on specialty high-viscosity mineral oil and complex aluminium soap with high content of solid lubricants.

LUKOIL® CARBOFLEX OG 0-680 HD grease is high-quality specialty grease to lubricate by spraying large open gear drives of the rotary kiln, ball 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 0-680 HD grease can be applied by spraying within the temperature range from –10 °C up to +140 °C. The grease is formulated to provide reliable lubrication, resistance to extreme loads, excellent thermal stability, and high structure stability during storage and operation.



<p>ADVANTAGES:</p> <ul style="list-style-type: none"> • Very high load carrying capacity • Excellent adhesion • Good water resistance • Excellent pumpability, can be spray applied 	<p>COMPOSITION:</p> <ul style="list-style-type: none"> • High-viscosity mineral oil • Complex aluminium soap • Additive package: anti-oxidation, anti-corrosion, and adhesive additives • Solid lubricants
<p>APPLICATION IN UNITS:</p> <ul style="list-style-type: none"> • Open gear drives • Splined joints • Guideways • Cables • Chains 	<p>APPLICATION EXAMPLES:</p> <ul style="list-style-type: none"> • 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 0-680 HD. Edition 12/23 replaces edition 12/21

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

LUKOIL® CARBOFLEX OG 0-680 HD TYPICAL PROPERTIES

Standard	Property	Unit	Value
DIN 51502	Marking according to DIN 51502		OGF0N-10
	Color		Black
	Service temperature range	°C	-10 to +140
DIN 51818	NLGI grade		0
ISO 2137	Worked penetration (60 strokes)	mm/10	355-385
DIN 51562	Base oil viscosity @ 40 °C	mm ² /s	680
DIN 51562	Base oil viscosity @ 100 °C	mm ² /s	40
ISO 2176	Dropping point	°C	>180
DIN 51805	Flow pressure @ -10 °C	mbar	<1400
ASTM D2596	Four Ball Weld Load @ 25 °C	N kg	7845 800
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

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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.