

LUKOIL CARBOFLEX OG 0-680 HD

Specialty Complex Aluminium Grease 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 cogwheels, tunnel mills in the cement and mining industries. Suitable for lubrication and protection of any other open mechanisms, steel cables, large chains and other units.

LUKOIL® CARBOFLEX OG 0-680 HD Grease can be applied by spraying within the temperature range from -10 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><u>ADVANTAGES:</u></p> <ul style="list-style-type: none"> • Very high load carrying capacity • Excellent adhesion • Excellent water resistance • Excellent pumping ability, also can be applied by spraying 	<p><u>COMPOSITION:</u></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><u>APPLICABLE IN UNITS:</u></p> <ul style="list-style-type: none"> • Open gear drives • Splined joints • Guideways • Cables • Chains 	<p><u>APPLICATIONS:</u></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 07/19 replaces edition 04/18

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

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TYPICAL PROPERTIES

Standard*	Property	Unit	OG 0-680 HD
DIN 51502	Marking according to DIN 51502		OGF0N-10
	Color, appearance		Black
	Service temperature range	°C	-10 to +140
DIN 51818	NLGI consistency class		0
ISO 2137	Worked penetration (mixed, 60 double strokes)	mm/10	355-385
DIN 51562	Base oil viscosity at 40°C	mm ² /s	680
DIN 51562	Base oil viscosity at 100°C	mm ² /s	40
ISO 2176	Drop point	°C	>200
DIN 51805	Flow pressure at -10°C	mBar	<1400
ASTM D2596	Weld load (4-ball machine test) at 25°C	N	6546
ASTM D2266	Wear scar (4-ball machine test)	mm	0.6

*DIN: Deutsche Industrie Norm

ISO: International Standardization Organization

ASTM: American Society for Testing and Materials.

HOW TO USE

These greases can be applied manually with brush or spatula, as well as through centralized lubrication system.

USABLE LIFE AND STORAGE

When stored in the original unopened containers in a dry place, this product has a shelf life of at least 36 months from the date of production.

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, for 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.