



## LUBRICATING GREASES

# ADDINOL COMBIPLEX OG 05

### PRODUCT DESCRIPTION

ADDINOL Combiplex OG 05 is an especially developed lithium-calcium complex grease based on mineral oil.

Temperature range from -30 °C up to +140 °C, for short-term application even up to +180°C.

ADDINOL Combiplex OG 05 contains no conventional EP- and AW-additives. Due to the highly developed Li-Ca-thickener it provides much better results regarding wear protection and load-carrying capacity than lubricating greases with typical EP-AW-additives.

### APPLICATION

- Excellent suitability for lubrication of highly loaded roller and sliding bearings at higher bearing temperatures due to the high load-carrying capacity
- Preferable applicability for immersion or circulation lubrication and also for spray lubrication of large girth gear drives (rotary tube kilns, tube mills, drums and similar machinery used in the cement, lime, plaster, mining and chemical industries as well as in power plants)
- Used for medium-sized to large girth gear drives in sugar and paper production as well as in the marine and offshore sector

### CHARACTERISTICS

- Extreme high load-carrying capacity
- Excellent corrosion protection
- Outstanding water resistance
- Very high mechanical stability

### SPECIFICATIONS

According to DIN 51502:

- KPGOG0.5N-30

According to ISO 6743:

- ISO-L-X CDIB0.5

In compliance with NLGI class 0.5

### DELIVERY

Sizes on request.

### ADVANTAGES AND BENEFITS

- Applicable in extreme operating conditions and under highest loads
- Long lifetime of the machine parts
- Direct contact with water possible
- Usable under extreme loads





# ADDINOL COMBIPLEX OG 05

## SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test conditions / unit		COMBIPLEX OG 05	Method acc. to
Colour			dark brown	visual
Structure			pasty	
Thickener			lithium-calcium complex	
NLGI class			0.5	DIN 51818
According to DIN			KPGOG0.5N-30	DIN 51502
According to ISO			ISO-L-X CDIB0.5	ISO 6743
Temperature range		°C	-30 up to +140	
Drop point		°C	> 250	IP 396
Behaviour against water	at 90°C		1-90	DIN 51807
Flow pressure acc. to Kesternich	-35°C	mbar	1995	DIN 51805
Worked penetration	60 DS		335-365	ISO 2137
	100000 DS		+30	
SKF Emcor WWO distilled water			0-0	ISO 11007
SKF Emcor WWO Salt water			0-0	ISO 11007
Copper corrosion	24h/100°C		1b	ASTM D 4048
4-ball welding load		N	≥ 7500	DIN 51350-4
4-ball wear scar	1h/400N	mm	0.7	DIN 51350-5

### Base oil

Type			mineral oil	
Viscosity	at 40°C	mm <sup>2</sup> /s	800	DIN 51562
	at 100°C	mm <sup>2</sup> /s	43	

## ADDINOL - The Experts for High-Performance Lubricants

We at ADDINOL develop and produce more than 600 high-performance lubricants of the new generation. Among these are automotive lubricants for highest demands and pioneering developments for industrial applications. Our customers all over the world benefit from the high and stable quality of our ADDINOL high-performance lubricants, our know-how and the individual customer advisory service of our competent experts. Our company has world-wide activities. ADDINOL high-performance lubricants are distributed by more than 90 international partners.

The data given in this product sheet represent our current level of knowledge and experience. Due to the various specific application they do, however, not discharge the user from his own examination. The information provided herein may not be used to derive a legally binding warranty of specific properties or the suitability for a certain purpose of application. Detailed security-concerning and toxicological data as well as security instructions for each product can be taken from the corresponding Material Safety Data Sheets (MSDS). High-performance lubricants from ADDINOL are under continuous development. Therefore, ADDINOL Lube Oil GmbH keeps the right to change technical data in this product data sheet without notification. In case of doubt, please do not hesitate to contact our customers' advisory service.