



LUBRICATING GREASES

ADDINOL MULTI-PURPOSE GREASE L 2, L 2 G, L 3

PRODUCT DESCRIPTION

The ADDINOL Multi-purpose greases L 2, L 2 G and L 3 are lithium soap greases based on mineral oil. A selected additive combination guarantees high ageing stability and reliable corrosion protection.

Temperature range:

-30°C up to +120°C, short term peak up to +130°C.

APPLICATION

- Excellent suitability for lubrication and sealing of roller and sliding bearings as well as of sliding surfaces
- Applicable as multi-purpose grease for industrial fields
- Suitable as universal grease for the lubrication of motor vehicles
- Suitable for lubricating devices and systems
- Well suited as sealing material for the protection of bearings against pollution, corrosion and further environmental impact

DELIVERY

Delivery in 25 kg, 10 kg, 1 kg and 400 g cans.

CHARACTERISTICS

- High ageing stability
- Free of toxic heavy metals
- Solid particle (graphite) in L 2 G
- Low oil separation
- Excellent water-resistance
- High working stability and consistency
- Reliable protection against corrosion

SPECIFICATIONS/APPROVALS

ADDINOL Multi-Purpose Grease L 2 complies with the demands of:

- Mercedes-Benz 267.0

According to DIN 51502:

- K2K-30 for ADDINOL Multi-purpose Grease L 2
- KF2K-30 for ADDINOL Multi-purpose Grease L 2 G
- K3K-30 for ADDINOL Multi-purpose Grease L 3

According to ISO 6743:

- ISO-L-X CCHA2 for ADDINOL Multi-purpose Grease L 2
- ISO-L-X CCHA2 for ADDINOL Multi-purpose Grease L 2 G
- ISO-L-X CCHA3 for ADDINOL Multi-purpose Grease L 3

In compliance with NLGI class:

- 2 for ADDINOL Multi-purpose Grease L 2 and L 2 G
- 3 for ADDINOL Multi-purpose Grease L 3

ADVANTAGES AND BENEFITS

- Long operating time of the lubricant
- No health hazard
- Excellent emergency lubricating properties
- Reliable sealing properties
- Direct contact with water possible
- Good sealing properties
- Long lifetime of machine parts





ADDINOL MULTI-PURPOSE GREASE L 2, L 2 G, L 3

SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test conditions / unit		L 2	L 2 G	L 3	Method acc. to
Colour			ecru	black	light brown	visual
Structure			pasty	pasty	pasty	
Thickener			Lithium soap	Li soap + graphite	Lithium soap	
NLGI class			2	2	3	DIN 51818
According to DIN			K2K - 30	KF2K - 30	K3K - 30	DIN 51502
According to ISO			ISO-L-X CCHA2	ISO-L-X CCHA2	ISO-L-X CCHA3	ISO 6743
Temperature range		°C	-30 up to +120	-30 up to +120	-30 up to +120	
Drop point		°C	≥ 180	≥ 180	≥ 190	DIN ISO 2176
Worked penetration	60 DS	0.1 mm	265 - 295	265 - 295	220 - 250	DIN ISO 2137-1
	Δ 60 DS to 100000 DS	0.1 mm	max. 30	max. 30	max. 30	
Speed factor	n · d _m	mm/min	400000			
Degree of copper corrosion	100°C/24h		1	1	1	DIN 51811
Degree of corrosion acc. to Emcor			0	0	0	DIN 51802
Flow pressure acc. to Kesternich	at 20°C	mbar	200	200	220	DIN 51805
	at 0°C	mbar	350	350	400	
	at -20°C	mbar	≤ 1400	≤ 1400	≤ 1400	
Oil separation	168h at 40°C	%	2 - 6	< 3	0.5 - 2	DIN 51817

Base oil

Type			Mineral oil			
Viscosity	at 40°C	mm ² /s	110	110	110	DIN 51562-1
Pour point		°C	-25			DIN ISO 3016

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.