GERMAN QUALITY

ADDINOL
THE ART OF OIL • SINCE 1936

SPECIAL GREASES

ADDINOL GRANULE GREASE 2 PLUS

PRODUCT DESCRIPTION

ADDINOL Granule Grease 2 plus is a special grease based on mineral oil, lithium/calcium soap as well as additives to provide a high mechanical load capacity.

Temperature range from -25 °C up to +150 °C, at constant re-lubrication up to +165°C.

APPLICATION

- Excellent suitability for the long term lubrication of sliding and roller bearings at high and shock loads
- Particularly usable for bearings in wood pelleting machines
- Reliable long term lubrication also in case of large amounts of water and increased temperatures

SPECIFICATIONS/APPROVALS

According to DIN 51502:

- **KP2N-20**

According to ISO 6743:

- **ISO-L-X BDEB2**

In compliance with NLGI class 2.

DELIVERY

Delivery preferable in drums.

CHARACTERISTICS	ADVANTAGES AND BENEFITS
• Excellent lifetime lubrication	• **Very long service life of the lubricant**
• Failure-free lubrication by central lubrication system	• **No failures in progressive distributors caused by grease**
• Contains special additives	• **Long lifetime of the friction pairings by reduction of friction and wear**
• High corrosion protection	• **Long lifetime of the machine parts**
• Water resistant	• **Lubricating effect is sustained also at large amounts of water**
• Oxidation stability	• **Slow ageing of the lubricating grease**
• Very good adhesion	• **No dripping off of the grease**
• High pressure absorption capacity	• **Reliable lubrication also at high and shock loads**

ADDINOL Lube Oil GmbH - High-Performance Lubricants
Am Haupttor, D-06237 Leuna, Germany
Phone: +49 (0) 3461-845-201, Fax: +49 (0) 3461-845-555
E-Mail: info@addinol.de, Internet: www.addinol.de

ADDINOL GRANULE GREASE 2 PLUS

SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test conditions / unit		Granule Grease 2 plus	Method acc. to
Colour			light yellow	visual
Structure			pasty	
Thickener			lithium/calcium soap	
NLGI class			2	DIN 51818
According to DIN			KP2N-20	DIN 51502
According to ISO			ISO-L-X BDEB2	ISO 6743
Temperature range		°C	-25 up to +150, short-term application up to +165	
Worked penetration	0.1 mm		265-295	DIN ISO 2137
Drop point		°C	> 170	DIN ISO 2176
Speed factor	$n \cdot d_m$	$min^{-1} \cdot mm$	220,000	
Behaviour against water			0-90	DIN 51807
Degree of copper corrosion	24h at 130°C	corr.level	1	DIN 51811
Degree of corrosion acc. to Emcor			0 and 1	DIN 51802
VKA welding load		N	3400	DIN 51350-4
Timken test (ok load)		N	178	DIN 51434-3
FAG-FE 8 test tapered roller bearing		mg	$mw_{50} < 20$	DIN 51819-02-A-75/50-60
FAG-FE 8 test angular contact ball bearing		mg	$mw_{50} < 1$	DIN 51819-02-A-7,5/80-120

Base oil

Type			mineral oil	
Viscosity	at 40°C	mm²/s	415	DIN 51562-1
	at 100°C	mm²/s	32	
Pour point		°C	-17	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 70 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.

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