

# rhenus ADC

## Aluminum complex EP greases – NLGI-grades: 00, 0, 1 and 2

### Application and properties



**rhenus ADC** are light aluminium complex greases based on medical white oil with EP additives.

**rhenus ADC** are suitable for lubrication of friction bearings even at high temperatures and water exposure. They are physiologically harmless and, therefore, recommended for lubrication of machinery in food and beverage industry under extreme pressure load

**rhenus ADC** are in accordance with the FDA-Guidelines 21 CFR 178.3570 and shall be used where a direct contact with the lubricant cannot be excluded. Excessive lubrication, which may cause contact to food, shall be avoided.

**rhenus ADC** are registered thru the NSF (National Sanitary Foundation) in the H1 category.

#### Advantages

- physiologically harmless
- water resistant
- good anti-wear and extreme pressure properties
- high stability
- corrosion resistant
- good adhesiveness
- suitable for central lubricating systems



### Technical data

rhenus		ADC 02	ADC 0	ADC 1	ADC 2
thickener		Al-complex	Al-complex	Al-complex	Al-complex
operating temperature for long-term lubrication		-20 to +140 °C	-20 to +140 °C	-20 to +140 °C	-20 to +140 °C
short time admissible temperature peak value		+180 °C	+180 °C	+180 °C	+180 °C
Permanent temperatures above 140°C require regreasing at shorter intervals subject to thermal load.					
drop point	ASTM D 2265	> 250 °C	> 250 °C	> 250 °C	> 250 °C
worked penetration	ASTM D 217	400 bis 430 1/10 mm	355 bis 385 1/10 mm	310 bis 340 1/10 mm	265 bis 295 1/10 mm
type of base oil		Med. Weißöl (DAB 10)	Med. Weißöl (DAB 10)	Med. Weißöl (DAB 10)	Med. Weißöl (DAB 10)
base oil viscosity at 40°C	ASTM D 445	160 mm <sup>2</sup> /s	160 mm <sup>2</sup> /s	160 mm <sup>2</sup> /s	160 mm <sup>2</sup> /s
water resistance	DIN 51 807-01	0 – 90	0 – 90	0 - 90	0 - 90
corrosion protection	IP 220/85	Korrosionsgrad 0/1	Korrosionsgrad 0/1	Korrosionsgrad 0/1	Korrosionsgrad 0/1
4-ball-test welding load	DIN 51 350	3200 N	3200 N	3200 N	3200 N
designation	DIN 51 502	GP 00 N-20	GP 0 N-20	KP 1 N-20	KP 2 N-20

Subject to modification of the technical data. Please refer to the material safety data sheet for additional information or contact our application engineers.

### Edition

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