

# Rhenus Norplex AFP

Aluminium Complex EP Greases – NLGI-Grades: 00 – 0 – 2

## Description

**Rhenus Norplex AFP** are light aluminium complex greases based on medical white oil with EP - additives.

## Application and Properties

**Rhenus Norplex AFP** are suitable for lubrication of friction bearings even at high temperatures and water exposure.

**Rhenus Norplex AFP** are physiologically harmless and therefore, recommended for lubrication of machinery in food and beverage industry under extreme pressure load.

**Rhenus Norplex AFP** 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 food contact, shall be avoided.

**Rhenus Norplex AFP** are registered by NSF (National Sanitary Foundation) category code H1.



### Advantages

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

## Technical Data

		AFP 00	AFP 0	AFP 2
Thickener		Al-Complex	Al-Complex	Al-Complex
Operating temperature for long-term lubrication		-20 to +140°C	-20 to +140°C	-20 to +140°C
Short time admissible temperature peak value		+180°C	+180°C	+180°C
Permanent temperatures above 140°C, require regreasing at shorter intervals subject to thermalload.				
Drop point	ASTM D 2265	> 250°C	> 250°C	> 250°C
Worked penetration after 60 strokes	ASTM D 217	400-430 <sup>1</sup> / <sub>10</sub> mm	355-385 <sup>1</sup> / <sub>10</sub> mm	265-295 <sup>1</sup> / <sub>10</sub> mm
Type of base oil		Med. white oil (DAB 10)	Med. white oil (DAB 10)	Med. white oil (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
Water resistance	DIN 51 807-1	0 - 90	0 - 90	0 - 90
SKF Emscor Test	IP 220/85	Corrosion degree 0/1	Corrosion degree 0/1	Corrosion degree 0/1
4 ball Test, welding load	DIN 51 350-04	3200 N	3200 N	3200 N
Designation	DIN 51 502	GP 00 N-20	GP 0 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

09/06 srh

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