

# Rhenus Norplex AFS

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

### Description

**Rhenus Norplex AFS** are aluminium complex greases based on synthetic oils with EP-additives and white solid lubricants.

### Application and Properties

**Rhenus Norplex AFS** are suitable for lubrication of high loaded machinery in the food, cosmetic and pharmaceutical industry in a wide temperature range.

**Rhenus Norplex AFS** are good pumpable in central lubrication systems and very good water resistant. All raw materials are physiologically harmless.

**Rhenus Norplex AFS** 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 AFS** 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

		<b>AFS 00</b>	<b>AFS 2</b>
Thickener		Al-Complex	Al-Complex
Operating temperature for long-term lubrication		-45 to +160°C	-45 to +160°C
Short time admissible temperature peak value		+200°C	+200°C
Permanent temperatures above 160°C, require regreasing at shorter intervals subject to thermal load.			
Drop point	ASTM D 2265	> 250°C	> 250°C
Worked penetration after 60 strokes	ASTM D 217	400-430 1/10 mm	265-295 1/10 mm
Type of base oil		synthetic	synthetic
Base oil viscosity at 40 °C	ASTM D 445	350 mm²/s	350 mm²/s
Water resistance	DIN 51 807-1	0 – 90	0 - 90
SKF Emlcor Test	IP 220/85	Corrosion degree 0/0	Corrosion degree 0/0
Designation	DIN 51 502	GPFHC 00 P-40	KPFHC 2 P-40

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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Rhenus is certified according to ISO/TS 16949, DIN EN ISO 9001, DIN EN ISO 14001 and OHSAS 18001.