

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 $\frac{1}{10}$ mm	355-385 $\frac{1}{10}$ mm	265-295 $\frac{1}{10}$ 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 ² /s	160 mm ² /s	160 mm ² /s
Water resistance	DIN 51 807-1	0 - 90	0 - 90	0 - 90
SKF Emcor 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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Rhenus is certified according to ISO/TS 16949, DIN EN ISO 9001, DIN EN ISO 14001 and OHSAS 18001.