

rhenus ABC

Aluminium Complex EP Greases – NLGI-Grades: 00 - 0 - 1 - 2

Description

rhenus ABC are aluminium complex greases based on synthetic oils with EP-additives and white solid lubricants.

Application and Properties

rhenus ABC are suitable for lubrication of high loaded machinery in the food, cosmetic and pharmaceutical industry in a wide temperature range.

rhenus ABC are good pumpable in central lubrication systems and very good water resistant. All raw materials are physiologically harmless.

rhenus ABC 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 ABC 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

		ABC 02	ABC 0	ABC 1	ABC 2
Thickener		Al-Complex	Al-Complex	Al-Complex	Al-Complex
Operating temperature for long-term lubrication		-45 to +160°C	-45 to +160°C	-45 to +160°C	-45 to +160°C
Short time admissible temperature peak value		+200°C	+200°C	+200°C	+200°C
Permanent temperatures above 160°C, require regreasing at shorter intervals subject to thermal load.					
Drop point	ASTM D 2265	n/a	n/a	> 250°C	> 250°C
Worked penetration after 60 strokes	ASTM D 217	400-430 1/10 mm	355-385 1/10 mm	310-340 1/10 mm	265-295 1/10 mm
Type of base oil		synthetic	synthetic	synthetic	synthetic
Base oil viscosity at 40 °C	ASTM D 445	350 mm ² /s	350 mm ² /s	350 mm ² /s	350 mm ² /s
Water resistance	DIN 51 807-1	0 – 90	0 - 90	0 - 90	0 - 90
SKF Emscor Test	IP 220/85	Corrosion degree 0/0	Corrosion degree 0/0	Corrosion degree 0/0	Corrosion degree 0/0
Designation	DIN 51 502	GPFHC 00 P-40	KPFHC 0 P-40	KPFHC 1 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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