

FOOD-PLUS GREASE ALU-COMPLEX WM 0

ALUMINIUM COMPLEX GREASES

323703401

DYADE
LUBRICANTS



FOOD GREASE BASED ON ALUMINIUM COMPLEX THICKENER AND WHITE MINERAL OIL

FOOD-PLUS Grease ALU-COMPLEX WM 0 is an aluminum complex grease specially formulated to lubricate a wide variety of applications that require a food grade lubricant. The product consists of a complex soap, white medicinal oil, a robust additive package, and authorized solid lubricants, which provide outstanding lubrication and excellent water resistance, making it ideal for applications that require both water resistance and high loads. This grease is suitable for use with bearings operating within a temperature range of -20 to 150°C, and its superior water resistance makes it an excellent choice for lubricating chains or conveyor chains used in extremely wet conditions, such as those found in packing operations and slaughterhouses. For centralized systems, FOOD-PLUS Grease ALU-COMPLEX WM 1 is a better choice than FOOD-PLUS Grease ALU-COMPLEX WM 2, thanks to its superior pumpability. Lubrication of bearings and general equipment, as well as lubrication of slide ways and chains, and lubrication of water valves and taps, are commonly required in the

food industry.

CATEGORY

- Greases

BENEFITS

- Food grade greases
- High resistance to water and loads
- Suitable for medium loaded high-speed bearings (VF=5x10⁵)
- Adhesive
- White colored
- Contains solid lubrication

| PROPERTY | METHOD | VALUE |
|------------------------------------------------|------------|-------------------|
| Colour | | White |
| Thickener | | Aluminium complex |
| Density @ 20 °C, kg/dm ³ | | 0.862 |
| NLGI consistency | DIN 51 818 | 0 |
| Base oil viscosity @ 40 °C, mm ² /s | | 220 |
| Worked penetration 60W, x 0,1 mm | ASTM D217 | 335-385 |
| Drop point, °C | ASTM D566 | >240 |
| Flow pressure @ -20 °C, mbar | DIN 51 805 | 1150 |
| 4-ball wear test - Welding load, min, kg | IP 239 | 350 |
| 4-ball wear test - Scar dia 1h/40 kg, mm | IP 239 | 0.70 |
| EMCOR corrosion test | DIN 51 802 | 1 |
| Copper corrosion @ 100 °C | ASTM D4048 | 1b |
| Oxidation stability @ 100 °C, bar | ASTM D942 | 0.40 |
| Evaporation loss @ 100 °C, % | ASTM D972 | 0.60 |
| Water resistance, 90 °C | DIN 51 807 | 0 |
| Water washout @ 80 °C, max | ASTM D1264 | |
| Oil separation @ 40 °C, max | DIN 51 817 | 12 |
| Dynamic viscosity @ 25 °C, mPas | HAAKE | 1600+800 |
| Operating temperatures - Continuous, °C | | -20 - 130 |
| Operating temperatures - Peak, °C | | 150 |

All data on this technical data sheet is indicative only

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