

FOOD-PLUS GREASE ALU-COMPLEX WM 0

FOODGRADE GREASES

323700101



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.

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
NSF registration		150571
Kosher approved		Yes
Halal approved		Yes

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

