

# FOOD-PLUS GREASE ALU-COMPLEX WM 1

FOODGRADE GREASES

323700301



## FOOD GREASE BASED ON ALUMINIUM COMPLEX THICKENER AND WHITE MINERAL OIL

FOOD-PLUS Grease ALU-COMPLEX WM 1 is an aluminum complex grease that is specifically formulated for applications requiring a food-grade lubricant. It is made with complex soap, white medicinal oil, a firm additive package, and authorized solid lubricants, which offer excellent lubricating properties and high-water resistance, making it ideal for applications that experience both high loads and water presence. This product can be used for bearings that operate within a temperature range of -20 to 150°C and is highly suitable for lubricating chains or conveyor chains that operate in very wet conditions, which is frequently encountered in packing operations and slaughterhouses. Additionally, FOOD-PLUS Grease ALU-COMPLEX WM 1 is better suited for centralized systems than FOOD-PLUS Grease ALU-COMPLEX WM 2 because of its excellent 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=5x10<sup>5</sup>)
- Adhesive
- White colored
- Contains solid lubrication

PROPERTY	METHOD	VALUE
Colour		White
Thickener		Aluminium complex
Density @ 20 °C, kg/dm <sup>3</sup>		0.862
NLGI consistency	DIN 51 818	0
Base oil viscosity @ 40 °C, mm <sup>2</sup> /s		220
Worked penetration 60W, x 0,1 mm	ASTM D217	310-340
Drop point, °C	ASTM D566	>250
Flow pressure @ -20 °C, mbar	DIN 51 805	1200
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	8
Oil separation @ 40 °C, max	DIN 51 817	10
Dynamic viscosity @ 25 °C, mPas	HAAKE	2800+800
Operating temperatures - Continuous, °C		-20 - 130
Operating temperatures - Peak, °C		150
NSF registration		148586
Kosher approved		Yes
Halal approved		Yes

All data on this technical data sheet is indicative only

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