

Foodmax Grease ALU M 1 Natural

Product code: 263703601

Food-Grade Aluminum Complex Grease (Titanium Dioxide-Free)

This product is a high-performance aluminum complex grease designed for the lubrication of a wide range of applications requiring food-grade lubricants. Formulated with a complex soap, white medicinal oil, and a robust additive package, without titanium dioxide (TiO₂), these greases offer superior lubricating properties and exceptional water resistance—ideal for environments with high moisture and heavy loads.

This product performs effectively in bearings operating within a temperature range of -20°C to 150°C, and their excellent water resistance makes them ideal for lubricating chains, including conveyor chains, operating in very wet conditions. This combination is particularly useful in industries like packaging and meat processing, such as slaughterhouses. This product is ideal for centralized systems due to its excellent pumpability and can be used in water valves or taps, providing long-lasting lubrication for the most critical parts.

For a company focused on food-grade lubricants, ensuring that your products are free of titanium dioxide is crucial not only for compliance with evolving safety regulations but also for protecting consumer health and maintaining trust in your brand's commitment to safety and quality. This product embodies our commitment to delivering safer, high-performance products without compromising on quality.

Applications

- General lubrication and bearings in the food industry
- Slide ways and chains
- Water valves and tap lubrication



Benefits & Advantages

- Food grade greases
- High resistance to water and loads
- Suitable for medium loaded high-speed bearings (VF=5x10⁵)
- Adhesive
- Titanium dioxide (TiO₂) free

Performance level

- ISO 6743/9 grease specification, L-XBCHB2 type
- DIN 51825 grease specification, KP2K-20 type

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Typical Performance Data

Typical	Test Method	Value
Colour	-	Beige/Off-White
Thickener	-	Aluminium complex
Density @ 20 °C, gr/ml	-	0.862
NLGI consistency	DIN 51818	1
Base oil viscosity @ 40 °C, cSt	-	220
Worked penetration 60W, x 0,1 mm	ASTM D217	310-340
Drop point, °C	ASTM D566	>250
Flow pressure @ -20 °C, mbar	DIN 5180	1200
4-ball wear test <ul style="list-style-type: none"> Welding load, min, kg Scar dia 1h/40 kg, mm 	IP-239	315 0.70
EMCOR corrosion test	DIN 51802	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 51807	0
Water washout @ 80 °C, max	ASTM D1264	8
Oil separation @ 40 °C, max	DIN 51817	10
Dynamic viscosity @ 25 °C, mPas	HAAKE	2800+800
Operating temperatures <ul style="list-style-type: none"> Continuous, °C Peak, °C 	-	-20 – 130 150
NSF registration	-	148586
Kosher approved	-	Yes

All performance data on this Technical Data Sheet are indicative only and can vary during production.