



## Foodmax Grease ALU M

Food grease based on aluminium complex thickener and white mineral oil

### **Description**

Foodmax Grease ALU M is a range of aluminium complex greases designed for the lubrication of almost any application which requires a food grade lubricant.

Foodmax Grease ALU M series are formulated with complex soap, white medicinal oil, firm additive package and authorized solid lubricants. They are provided with excellent lubricating properties and a high water resistance, perfect when a combination of water presence and high loads is faced.

Foodmax Grease ALU M series can be used bearings operated within a temperature range of -35 to 150 °C and thanks to their superior resistance to water they are very well suitable for the lubrication of chains or conveyor chains operated in very wet conditions. This combination is often seen in packing operations and slaughter houses. Both ALU M 1 and 2 can be used in water valves or taps providing long life lubrication of the most critical parts.

Foodmax Grease ALU M-0 & M-1 are more suitable for centralized systems because of their excellent pumpability.

### **Applications**

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

### **Benefits**

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

### **Performance level**

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



## Typical performance data

	Test method	M 00	M 0	M 1	M 2
Colour		White			
Thickener		Aluminium complex			
Density @ 20 °C, gr/ml		0,862			
NLGI consistency	DIN 51818	00	0	1	2
Base oil viscosity @ 40 °C, cSt		220	220	220	220
Worked penetration 60W, x 0,1 mm	ASTM D217	400-430	335-385	310-340	265-295
Drop point, °C	ASTM D566	>230	>240	>250	>250
Flow pressure @ -20 °C, mbar	DIN 5180		1150	1200	1250
4-ball wear test	IP-239				
Welding load, min, kg		350	350	350	350
Scar dia 1h/40 kg, mm		0,65	0,70	0,70	0,70
EMCOR corrosion test	DIN 51802	1	1	1	1
Copper corrosion @ 100 °C	ASTM D4048	1b	1b	1b	1b
Oxidation stability @ 100 °C, bar	ASTM D942	0,40	0,40	0,40	0,40
Evaporation loss @ 100 °C, %	ASTM D972	0,60	0,60	0,60	0,60
Water resistance, 90 °C	DIN 51807	0	0	0	0
Water washout @ 80 °C, max	ASTM D1264	n/a	n/a	8	6
Oil separation @ 40 °C, max	DIN 51817	13	12	10	6
Dynamic viscosity @ 25 °C, mPas	HAAKE		1600+ 800	2800+ 800	4500+ 1000
Operating temperatures					
Continuous, °C		-20 – 130	-20 – 130	-20 – 130	-20 – 130
Peak, °C		150	150	150	150