TECHNICAL DATA SHEET

AIMOL Foodline Grease Aliminium Complex M

Grease based on aluminium complex thickener and white mineral oil
For food and pharmaceutical industries

DESCRIPTION

AIMOL Foodline Grease Aluminium Complex M is a range of aluminium complex greases designed for the lubrication of almost any application which requires a food grade lubricant. They 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. AIMOL Foodline Grease Aluminium Complex M can be used in bearings operated within a temperature range of -35 to 150ºC 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. AIMOL Foodline Grease Aluminium Complex M 1 and 2 can be used in water valves or taps providing long life lubrication of the most critical parts. AIMOL Foodline Grease Aluminium Complex M 0 and 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

- Greases for food and pharmaceutical industry
- High resistance to water and loads
- Suitable for medium loaded high speed bearings (VF=5x10^5)
- Adhesive
- White coloured

PERFORMANCE LEVEL

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

TYPICAL FIGURES

Parameter	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 • Welding load, min, kg • Scar dia 1h/40 kg, mm	IP-239	 350 0,65	 350 0,70	 350 0,70	 350 0,70
EMCOR corrosion test	DIN 51802	1	1	1	1
Copper corrosion @ 100 ºC	ASTM D4048	1b	1b	1b	1b
Oxidation stability @ 100 ºC, bar	ASTM D942	0,40	0,40	0,40	0,40
Evaporation loss @ 100 ºC, %	ASTM D972	0,60	0,60	0,60	0,60
Water resistance, 90 ºC	DIN 51807	0	0	0	0
Water washout @ 80 ºC, max	ASTM D1264	n/a	n/a	8	6
Oil separation @ 40 ºC, max	DIN 51817	13	12	10	6
Dynamic viscosity @ 25 ºC, mPas	HAAKE	-	1600+800	2800+800	4500+1000
Operating temperatures • Continuous, ºC • Peak, ºC	-	 -20…+130 +150	 -20…+130 +150	 -20…+130 +150	 -20…+130 +150
InS H-1 requirements	-	Yes	Yes	Yes	Yes
NSF H-1 requirements	-	Yes	Yes	Yes	Yes

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Kosher requirements	-	Yes	Yes	Yes	Yes

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TECHNICAL DATA INFO LINE

Should you require additional information or advice on AIMOL products, please contact us as per the details below.

HEALTH AND SAFETY

AIMOL Foodline Grease Aluminium Complex M has no adverse health effects provided it is used as directed.

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