



Foodmax Grease CAS M

Food grade high performance grease with high resistance to heavy loads based on a white oil

Description

Foodmax Grease CAS M greases are member of a family of technologically advanced greases which have been developed by complexing modified overbased calcium sulphonates. This technology is characterized by exceptional mechanical stability, high dropping point, high load carrying performance, reduced wear and excellent resistance to water and steam and corrosion. This technology equals and in many ways outperforms other premium, high temperature greases such as lithium complex, aluminium complex and polyurea.

Applications

Foodmax Grease CAS M 2 is a certified H-1 grease for incidental contact with food. It is designed for use in all food processing operations including mixing, stirring, baking, frying, cooking, cleansing, packaging, canning and bottling.

Benefits

- Superior mechanical stability versus other thickeners, particularly in the presence of heat and water
- High dropping point, typically in excess of 300 °C
- Excellent EP and AW properties inherent in the thickener
- Does not require the use of additional additives
- Contains no colorant
- Sulphonates are known and used for their excellent rust prevention properties
- Formulated for enhanced resistance to water
- Excellent corrosion resistance
- Formulated with a white oil
- Life performance is typically increased by two to three times that of a regular mineral oil based grease



Typical performance data

	Test method	M 2
Texture	Visual	Smooth
Colour	Visual	Tan
Base oil viscosity @ 40 °C, cSt		95
Base oil viscosity @ 100 °C, cSt		10,8
NLGI consistency	ASTM D217	2
Dropping point, °C	ASTM D2265	318
Consistency, 60 strokes, mm/10	ASTM D217	280
Mechanical stability, 10.000 strokes %	ASTM D217	-1,0
Roll stability, 50% water, %	ASTM D1831	2,1
Timken OK load, kg	ASTM D2509	29,2
4-ball wear test	ASTM D2596	
• LWI, kgf		55
• Weld load, kg		400
• Scar dia mm		0,45
Rust test	ASTM D1743	Pass
Salt fog corrosion, 1 mil d.f.t., hours	ASTM B117	>300
Copper corrosion	ASTM D4048	1b
Wheel bearing leakage, grams	ASTM D4290	1,0
Bearing life performance, hours	ASTM D3527	180
Bomb oxidation, psi drop after 1000 hours	ASTM D3527	5,0
Water washout @ 80 °C, %	ASTM D1264	0,3
Oil separation, % loss	ASTM D1742	0,1
Low temperature torque, -18 °C, g-cm	ASTM D1478	
• Start		1000
• 60 minutes		250
Mobility @ 150 psi, -18 °C, g/minute	US Steel method	8,0
Working service temperatures, °C		-25 - 220
NSF registration	-	140111
Kosher approved	-	Yes

All performance data on this Technical Data Sheet are indicative only and can vary during production
Matrix Specialty Lubricants BV - info@matrix-lubricants.com – www.matrix-lubricants.com