

FOODMAX GREASE CAS M 2

Product code: 263700801

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

Foodmax Grease CAS M 2 is 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.

This product 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 & Advantages

- Superior mechanical stability versus other thickeners, particularly in the presence of heat and water
- Resistant against cold & hot water and alkali-based cleaners
- Adheres to metal surfaces
- High dropping point, typically more than 300 °C
- Excellent EP and AW properties inherent in the thickener
- Does not require the use of additional additives
- Contains no colorant (Titanium Dioxide TiO₂)
- 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
- Suitable for centralized lubrication systems

Performance Level

DIN 51502
DIN 51825 KP2U-25
ISO 6743-9 L-XBFHB2

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Typical Performance Data


Typical	Test Method	Value
Texture	Visual	Smooth
Colour	Visual	Tan
Base oil viscosity @ 40 °C, cSt		100
Base oil viscosity @ 100 °C, cSt		10.8
NLGI consistency	ASTM D217	2
Dropping point, °C	ASTM D2265	320
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 <ul style="list-style-type: none"> • LWI, kgf • Weld load, kg • Scar dia mm 	ASTM D2596	55 400 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	0.8
Oil separation, % loss	ASTM D1742	0.1
Low temperature torque, -18 °C, g-cm <ul style="list-style-type: none"> • Start • 60 minutes 	ASTM D1478	1000 250
Mobility @ 150 psi, -18 °C, g/minute	US Steel method	8.0
Working service temperatures, °C		-25 - 220
NSF registration	-	141132
Kosher approved	-	Yes
Halal approved	-	Yes

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