



## 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                          | -               | 141132    |
| Kosher approved                           | -               | Yes       |
| Halal approved                            | -               | Yes       |

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

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