



## DESCRIPTION

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**BLACK MAMBA** is a superior multi-purpose Molybdenum Disulphide containing grease possessing excellent lubricating characteristics for a wide range of anti-friction and plain bearings, ball joints, kingpins, gears and couplings in automotive, marine, agricultural and industrial applications. Molybdenum Disulphide with extreme pressure and anti-wear properties plus the tackiness adhesive additive enables high performance **BLACK MAMBA** to give extended service life under high loading and shock loading conditions from low temperature to very high temperature environments. These special characteristics of shear stability; combined with the inclusion of effective rust, oxidation and corrosion inhibitors, ensure it is the preferred recommendation for extended life anti-friction bearings.

## CHARACTERISTICS

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Functional multi-purpose for low and high temperatures. Its extra ability to prevent scuffing and reduce wear under high load and shock load conditions, together with its excellent resistance to shear and high temperature operation, makes it preferred over other multi-purpose greases.

Sealed for life bearings have assured long service life due to the exceptional oxidation, rust and corrosion resistance of **BLACK MAMBA**. With extended service, it maintains its original consistency. It will not thicken since it resists oxidation. It will not thin out, as it is shear resistant.

Where water contaminating influences cannot be avoided, even at elevated temperatures, effective lubrication is maintained because of its excellent resistance to water wash out.

Resists 'squeeze out' from surfaces requiring lubrication under load conditions.

The recommended temperature range is from -20°C to 175°C, however it may be used intermittently up to 200°C.

## RECOMMENDATIONS

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**BLACK MAMBA** is the prime extended life recommendation for plain, ball and roller bearings, and other applications requiring grease lubrication; in all automotive, agricultural, marine and industrial equipment. Excellent recommendation for chassis, universal joints and especially for ball joints.



| Typical Characteristics  | Methods                    | Typical Values  |
|--|----------------------------|-----------------|
| NLGI   |                            | 2               |
| Soap Type  |                            | Lithium Complex |
| Appearance   |                            | Grey/Black      |
| Molybdenum Disulphide, % Mass (1.5 Microns average)                                      |                            | 2               |
| Penetration, Worked at 25°C – After 60 Strokes   | ASTM D 217                 | 265/290         |
| Dropping Point, °C   | ASTM D 2265                | 260+            |
| Leakage, Wheel Bearing 65g Packed, 163°C, g  | ASTM D 1263                | 1.5             |
| Water washout at 80°C, %   | ASTM D 1264                | 3.5             |
| Wheel Bearing Leakage, g   | ASTM D 1263                | 3               |
| Oxidation Stability:<br>Pressure Drop at 100 hour, kPa<br>Pressure Drop at 500 hour, kPa | ASTM D 942<br>ASTM D 942   | 15<br>70        |
| Rust Prevention Rating   | ASTM D 1743                | Pass            |
| Timken, OK Load, Kg  | ASTM D 2509                | 28              |
| 4-Ball Weld, Kg/f  | ASTM D 2596                | 550             |
| 4-Ball Wear Scar, mm   | ASTM D 2266                | 0.42            |
| Ball Joint Test, Brine Sensitivity<br>Torque Stability                                   | ASTM D 3428<br>ASTM D 3428 | Pass<br>Pass    |
| Base Oil Viscosity, cSt at 40°C  | ASTM D 445                 | 220             |

The facts stated and the recommendations made herein are believed to be accurate. No guarantee of their accuracy is made however, and otherwise expressly provided in written contract, the products are sold without conditions or warranties, expressed or implied. Purchasers should determine the suitability of such products for their particular purpose.