

MOLYDUVAL

Tantalus M 680 ML



High quality gear oil for shock load conditions

A highly treated special gear oil with special, wear-protecting active ingredients that smooth the surfaces of gears. Offers reliable protection for slow-speed gears when conventional gear or gear lubricants are not sufficient. The lubrication of the gearbox is maintained even at high temperatures. Manufactured on the basis of selected mineral oil raffinates and an optimally coordinated, highly effective additive combination. Suitable for the lubrication of almost all types of closed industrial gears with spur, bevel gear and worm gearing for immersion and circulation lubrication, also for normally loaded plain and rolling bearings, joints, guides.

Characteristics

- relative good compatible with elastomers and seals
- strong extreme pressure treatment
- reduces anti seizing
- excellent wear protection
- long usability due to good oxidative resistance
- good oil/water separation properties, easy drainage of excess water from lubrication systems
- form surface active molecular protection films
- low foam
- very good seal compatibility
- reduces the risk of micro pitting

Applications

- for circulating systems, even under heavy loads and/or the most unfavorable operating conditions
- for high temperature gears
- for enhance running-in lubrication of bearings, guidelines and gears
- for industrial gears and thread spindles running slowly but loaded heavy
- for chains, drive and transport chains, in conveying machines, pasteurize plants, sorting stations, peelers, packing and labelling machines, shrinking tunnels
- for industrial gear boxes working under high temperatures, or other unfavorable conditions
- for industrial gear boxes

Technical Datas

Color		Undefined
Base Fluid		Min
Viscosity Class	ISO-VG	680
Viscosity 40°C	mm ² /s	40
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Viscosity Index		100
Density 40°C	kg/m ³	910
Temperature Range	°C	-10 -> +80
Pour point	°C	-15
Flash Point COC	°C	240
Wear Protection FZG test	Grade	> 12
Pack Size can 5 l		+ > 20l
Pack Size drum 200 l		+

The indicated service temperatures are guide values depending on the lubricants composition and on the application. They may vary in case of special influences or ongoing use.

For further information, please see our website www.molyduval.com or consult your local representative.

The content of this manual is based on our current knowledge and experience in the development and manufacture of lubricants. Because of the complexity of tribological systems, the effect of our products depends on many parameters, which we cannot assess and which influence we cannot evaluate. For this reason general statements about the function of our products are not possible. The information in this manual, therefore, contains non-binding guidelines, which should give the technical trained reader information on possible applications. The information in this manual does not include property assurances or warranties or guarantees to the properties or suitability of this product in a specific application. Prior to its use it is absolutely necessary to test this product in the application to ensure that the product and its use is safe, economical and fully suitable. It should proceed with due diligence. We reserve the right to change the information in this manual at any time and without notice. All previous versions of this manual are no longer valid. Updating : 10.12.2024