

MC-Montan Support MB L11

Bio-based EP2 lubricating grease for TBM tunnelling machines.

PRODUCT FEATURES:

- Excellent lubricating properties and pumpability.
- High biodegradability.
- Based on renewable raw materials.
- Good water washout resistance.
- Good adhesion to metal surfaces.

AREAS OF APPLICATION:

- EP2 lubricating grease for the main bearing and screw conveyor of TBM tunnelling machines.

APPLICATION:

- MC-Montan Support MB L11 is a calcium-thickened EP2 grease based on vegetable oils, containing antioxidants, corrosion inhibitors and EP/AW additives.
- MC-Montan Support MB L11 is specially designed for lubricating main bearings and screw conveyor bearings.
- In addition, MC-Montan Support MB L11 is a high-quality multipurpose grease for industrial and automotive applications and is suitable for a wide range of plain and rolling bearings.
- MC-Montan Support MB L11 has been successfully tested at Merkel Freudenberg for compatibility with NBR B248 sealing material.
- The target EP2 grease consumption is determined by the TBM supplier and must be strictly observed.

TECHNICAL DATA:

PROPERTY	UNIT	VALUE	REMARKS
Density	kg/dm ³	Approx. 0.93	
NLGI grade		2	
Consistency		265 - 295	ISO 2137
Viscosity at 40°C	mm ² /s	130	ISO 12058
Viscosity at 100°C	mm ² /s	24	ISO 12058
4-ball wear	mm	< 0.5	DIN 52350:5
Water washout @ 25°C	%	< 15	ASTM D4049
Biodegradability	%	> 80	OECD 301 B

All data stated are laboratory data.

PRODUCT INFORMATION:

Colour	Light brown
Appearance	Paste
Factory quality control	According to DIN EN ISO 9001
Packaging	180 kg or 50 kg drum
Storage	Avoid direct sunlight and frost! Can be stored in the original unopened container for at least 6 months.

NOTE: The information contained in this document is based on our experience and is accurate to the best of our knowledge. However, it is not legally binding. The information may be adapted to specific requirements, individual applications and, in particular, local regulations. Our data are based on generally accepted technical rules, which must be observed during application. We are responsible for the accuracy of this data within the scope of the stated standards and subject to our terms and conditions of sale, delivery and service provision. Recommendations provided by our employees that differ from the information stated in our technical data sheets are only binding if provided in writing. Generally accepted technical rules must always be observed.

Issued: 01/2024. Technical changes have been made to this edition. Previous editions are no longer valid and must not be used.