

# MasterRoc® EPB 11

## Multi-Purpose EP2 Grease for Tunnel Boring Machines

Formerly MEYCO EPB 11\*

### Description

MasterRoc EPB 11 grease is a multi-purpose EP2-grade grease designed for main bearing lubrication, as a screw conveyor drive assembly grease and as a rotary swivel grease. It is a lithium-thickened lubricating grease that contains antioxidants, corrosion inhibitors and EP/AW additives.

### Applications

Recommended for use in:

- TBM main bearing
- TBM screw conveyor drive assembly
- TBM rotary swivel grease

### Features

- Good mechanical stability, load-carrying capacity and corrosion protection

### Benefits

- High quality, multi-purpose
- Suitable for a wide range of plain and rolling bearings
- Suitable for loaded bearings, as well as wet environments
- Approved according to “MAN 283 Li-P” and “Mercedes-Benz 267.0”

### Performance Characteristics

#### Technical Data

##### Typical Values

Form	Homogeneous paste
Color	Yellowish-brown
NLGI Grade	2
Density at 68 °F (20 °C)	Approx. 60 lb/ft <sup>3</sup> (950 kg/m <sup>3</sup> )
Consistency ISO 2137 [1/10 mm]	265-295
4-ball wear DIN 51350:5 [mm]	0.5
Base oil viscosity (40°C) ISO 12058	200 mm <sup>2</sup> /s
Base oil viscosity (100°C) ISO 12058	15 mm <sup>2</sup> /s
Temperature range	-22 to 248 °F (-30 to 120 °C)
4 ball weld load DIN 51350:4	2600 N
Lubricating Ability SKF R2F test A + B	Pass
Water resistance DIN 51807/1	0-90
Flash point (base oil)	>302 °F (>150 °C)

## Storage and Handling

**Storage Temperature:** MasterRoc EPB 11 grease should be stored in unopened, original drums, preferably at 41 °F to 95 °F (5 to 35 °C). Shelf life is expected to be 12 months minimum.

**Safety:** MasterRoc EPB 11 grease poses no threat to worker safety or the environment. However, it is recommended that all normal precautions be taken when handling the product, such as the use of eye protection and gloves.

## Packaging

MasterRoc EPB 11 grease is packaged in standard 397 lb (180 kg) and 110 lb (50 kg) steel drums. Other drum sizes and pack weights are available on request.

## Additional Information

For additional information on EPB 11 grease, contact your local sales representative.

*The Admixture Systems business of BASF's Construction Chemicals division is the leading provider of solutions that improve placement, pumping, finishing, appearance and performance characteristics of specialty concrete used in the ready-mixed, precast, manufactured concrete products, underground construction and paving markets. For over 100 years we have offered reliable products and innovative technologies, and through the Master Builders Solutions brand, we are connected globally with experts from many fields to provide sustainable solutions for the construction industry.*

## Limited Warranty Notice

BASF warrants this product to be free from manufacturing defects and to meet the technical properties on the current Technical Data Guide, if used as directed within shelf life. Satisfactory results depend not only on quality products but also upon many factors beyond our control. BASF MAKES NO OTHER WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO ITS PRODUCTS. The sole and exclusive remedy of Purchaser for any claim concerning this product, including but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is shipment to purchaser of product equal to the amount of product that fails to meet this warranty or refund of the original purchase price of product that fails to meet this warranty, at the sole option of BASF. Any claims concerning this product must be received in writing within one (1) year from the date of shipment and any claims not presented within that period are waived by Purchaser. BASF WILL NOT BE RESPONSIBLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDING LOST PROFITS) OR PUNITIVE DAMAGES OF ANY KIND.

Purchaser must determine the suitability of the products for the intended use and assumes all risks and liabilities in connection therewith. This information and all further technical advice are based on BASF's present knowledge and experience. However, BASF assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights, nor shall any legal relationship be created by or arise from the provision of such information and advice. BASF reserves the right to make any changes according to technological progress or further developments. The Purchaser of the Product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with a full application of the product(s). Performance of the product described herein should be verified by testing and carried out by qualified experts.

\* MEYCO EPB 11 became MasterRoc EPB 11 under the Master Builders Solutions brand, effective October 1, 2013.