

MasterRoc[®] EPB 11

Multi-Purpose EP2 Grease for Tunnel Boring Machines

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 ³ (950 kg/m ³)
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 ² /s
Base oil viscosity (100 °C) ISO 12058	15 mm ² /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.

Additional Information

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

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Utilizing worldwide resources, the Master Builders Solutions community of experts are passionate about providing solutions to challenges within all stages of construction, as well as the life cycle of a structure. At Master Builders Solutions we create sustainable solutions for construction around the globe.

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