

MasterRoc[®] EPB 1

Multi-purpose EP2 grease for Tunnel Boring Machines (TBM)

DESCRIPTION

MasterRoc EPB 1 is a highly biodegradable multi-purpose calcium thickened EP2 grade grease designed for main bearing lubrication, as a screw conveyor drive assembly grease and as a rotary swivel grease.

ADVANTAGES

- Contains antioxidants, corrosion inhibitors and EP/AW additives
- Offers good mechanical stability, load carrying capacity and corrosion protection, which makes it suitable for loaded bearings as well as wet environments
- High quality multipurpose grease suitable for a wide range of plain and rolling bearings

PACKAGING

MasterRoc EPB 1 is available in standard 230 kg and 60 kg steel drums for press plate pumps.

STORAGE AND SHELF LIFE

MasterRoc EPB 1 should be stored at 5 - 35°C. If stored in original tightly closed drums it has a shelf life of 12 months.

TYPICAL PROPERTIES*

Form	Homogenous paste
Colour	Light brown
NLGI Grade	2
Density [kg/m³] 20°C	Approx. 930
Consistency ISO 2137 [1/10 mm]	265-295
4-ball wear DIN 51350:5 [mm]	0.5
Base oil viscosity (40°C) ISO 12058	130 mm ² /s
Base oil viscosity (100°C) ISO 12058	24 mm ² /s
Temperature range	-20°C to 100°C
4 ball weld load DIN 51350:4	2800 N
Lubricating Ability	SKW R2F test A + B
Water resistance DIN 51807/1	0-90
Water wash out ISO 11009 (1h 80°C)	5%
Biodegradation OECD 301 B	> 80%

HEALTH AND SAFETY

MasterRoc EPB 1 is not hazardous. It is ecologically and environmentally friendly and 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.

* Properties listed are based on laboratory controlled tests.

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STATEMENT OF RESPONSIBILITY

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