

# MasterRoc<sup>®</sup> BSG 11

## Main Bearing Sealing Grease (Excluder Grease) for Tunnel Boring Machines (TBM)

### Product description

MasterRoc BSG 11 is an excluder grease for tunnel boring machines. It effectively protects the main bearing and prevents soil, water or dust ingress into the main bearing sealing. It is formulated to resist high water and ground pressures, and has excellent lubrication and pumping properties as well as excellent adhesion to all surfaces.

### Features and benefits

- Excellent sealing and anti-washout properties
- Excellent adhesion to any metal or concrete surfaces
- Excellent pumping and lubricating properties especially at very low or very high temperatures

### Packaging

MasterRoc BSG 11 is available in standard 230 kg and 60 kg steel drums for press plate pumps.

### Technical data

<b>Form</b>	Homogenous paste, fibrous
<b>Color</b>	Black
<b>Odor</b>	None
<b>Density</b> [kg/m <sup>3</sup> ] 20°C	1150 ± 50
<b>Consistency</b> ISO 2137 [1/10 mm]	250-280
<b>4-ball wear</b> DIN 51350:5 [mm]	< 0.9
<b>Water wash out (38°C)</b> ISO 11009 [%]	< 6
<b>Water spray off (38°C)</b> ASTM D 4049 [%]	< 4
<b>Water resistance</b> DIN 51807/1	0-0
<b>Sealing elastomer compatibility</b>	approved by Merkel, J. Walker
<b>Flash point</b> (base oil)	> 290°C
<b>Biodegradation</b>	inert

### Storage

MasterRoc BSG 11 should be stored at 5 - 35°C. If stored in original tightly closed drums it has a shelf life of 12 months.

### Safety precautions

MasterRoc BSG 11 is not hazardous 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.

The information given here is true, represents our best knowledge and is based not only on laboratory work but also on field experience. However, because of numerous factors affecting results, we offer this information without guarantee and no patent liability is assumed. For additional information or questions, please contact your local representative.

### Headquarters:

**BASF SE**  
Underground Construction  
Salzachstr. 2-12  
68199 Mannheim  
Germany

Phone: +49 621 60 91013

For more information: Visit us: [www.master-builders-solutions.basf.com](http://www.master-builders-solutions.basf.com)