

PRODUCT DATA SHEET

Sika® Stabilizer-2031 TBM

EXCLUDER GREASE FOR TBM MAIN BEARING

DESCRIPTION

Sika® Stabilizer-2031 TBM is a grease based on synthetic oil used to protect the main bearing of TBM. The product resists high water and ground pressures. It has very good lubricating and pumping properties, and adheres very well to all surfaces.

USES

Sika® Stabilizer-2031 TBM is used for:

- Effective protection of the main bearing gaskets. It prevents ingress of soil, water or dust into the main bearing sealing.

CHARACTERISTICS / ADVANTAGES

- Extrusion abilities designed to match TBM manufacturers' requirements
- Effective lubrication under heavy loads
- Proper adhesion to any metal
- Reduces dust formation
- Temperature stability providing pumping and lubricating properties, especially at very low or very high temperatures
- Particularly effective with low rpm

PRODUCT INFORMATION

Chemical Base	Mixture of synthetic oil, additives and lubricants		
Packaging	Drum	60 kg and 230 kg for press plate pumps	
Shelf Life	12 months from date of production		
Storage Conditions	The Product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +35 °C. Always refer to the packaging. Refer to the current Safety Data Sheet for information on safe handling and storage.		
Appearance / Colour	Homogeneous fibrous paste, black		
Density	(1.200 ± 0.050) kg/L	(ISO 758)	
Flash Point	> +190 °C	(ASTM D92)	
Consistency	Tested at +25 °C	260 ± 10	(ASTM D217)

TECHNICAL INFORMATION

Specific Advice	Pumpable properties	40–50 gr/min (after US steel Lt 37, at 10 bar and +25 °C)
	Biodegradability	> 60 % after 22 days
	Volatility	≤ 2 % (ASTM D972)
	Water washout	< 6 % (ASTM D1264)

SYSTEM INFORMATION

Compatibility Compatible with Sika® admixtures and other Sika® products. Contact Sika Technical Services for additional information.

APPLICATION INFORMATION

Consumption The consumption of the product depends on the following parameters:

- TBM design such as sealing gap
- Operational parameters during tunneling such as cutterhead speed and TBM penetration rate

Contact Sika Technical Services for additional information.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

APPLICATION

1. Pump the Product by using the main bearing grease pumping system in TBM.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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