

PRODUCT DATA SHEET

Sika® Stabilizer-2032 TBM

MULTI-PURPOSE EP2 LUBRICANT FOR TBM

DESCRIPTION

Sika® Stabilizer-2032 TBM is a high quality multipurpose lubricant suitable for a wide range of TBM main bearings. It is designed for main bearing lubrication, as a screw conveyor drive assembly grease and as a rotary swivel grease.

USES

Sika® Stabilizer-2032 TBM is used for:

- Pumping in any type of TBM with the most common press plate pumps currently on the market.

CHARACTERISTICS / ADVANTAGES

- Good mechanical stability, load carrying capacity and corrosion protection, which makes it suitable for loaded bearings and wet environments
- Good water washout resistance
- Easy to pump
- Pressure resistant
- Compatible with greases
- Very good lubrication properties

PRODUCT INFORMATION

Chemical Base	Synthetic multipurpose Calcium-thickened EP2		
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, yellowish-brown		
Density	(0.950 ± 0.050) kg/L	(EN ISO 2811-1)	
Flash Point	> +150 °C	(ASTM D92)	
Viscosity	Base oil viscosity (40 °C)	200 mm ² /s	(ISO 12058)
	Base oil viscosity (100 °C)	15 mm ² /s	
Consistency	Tested at +20 °C	280 ± 15	(ISO 2137)

TECHNICAL INFORMATION

Specific Advice	NLGI Grade	2	
	Lubricating ability	Pass	(SKF Grease Test Rig R2F)
	"4-balls" wear test	0.5 mm	(ISO 697; ASTM D2266)
	Water resistance	0–90	(ISO 758)
	Dropping point	> 180 °C	(ISO 758)
	"4-balls" weld load	2600 N	(ISO 4918; ASTM D2266)

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.

Product Temperature	Minimum	-30 °C
	Maximum	+120 °C

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 standard press plate grease pumps installed in the TBM.

Sika (Singapore) Pte Ltd.
28 Tuas South Ave 8
Singapore 637648
Phone: +65 6861 0632
Fax: +65 6862 3915
Email: sales@sg.sika.com
www.sika.com.sg



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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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