

Excluder Grease for TBMs

DESCRIPTION

TamGrease BS1 is a clay thickened lubricating grease based on mineral oil and polymers. The grease contains a selection of solids, fibres and graphite. TamGrease BS1 is a main bearing sealing grease (excluder grease) for tunnel boring machines. It effectively protects the main bearing by preventing the ingress of soil, water or dust through the main bearing sealing.

TamGrease BS1 resists high water and ground pressures, has excellent sealing capacity and good lubrication and pumping properties. It is partly based on renewable raw materials.

KEY BENEFITS

- > Excellent adhesion to metal surfaces
- > Excellent cohesion and anti-washout properties
- > Good pumping and lubricating properties

TYPICAL APPLICATIONS

TamGrease BS1 is suitable for the following tunnel boring machines:

- > EPB TBMs
- > Slurry TBMs
- > Hard Rock TBMs

TECHNICAL DATA

TamGrease BS1	
Appearance	Fibrous, black
Odour	Distinct
NLGI Grade	2.5
Density (20°C) kg/m ³	1170
Consistency (ISO 2137)	245 - 275
4-ball-wear (DIN 52350:5) mm	0.8
Water Spray Off 38°C (ASTM D 4049) %	5%
Merkel Agreement	Yes

APPLICATION GUIDELINES

The TBM supplier indicates the consumption of the excluder grease. This consumption rate must be followed.

PACKAGING

TamGrease BS1 is supplied in 230 kg drums designed to fit the TBM press plate system.

STORAGE

TamGrease BS1 should be stored in unopened, original drums, preferably at 5 - 35°C. If these conditions are maintained and the product packaging is unopened, a shelf life of one year can be expected.

HEALTH & SAFETY

TamGrease BS1 should only be used as directed. We always recommend that the Safety data sheet is carefully read prior to application of the material. Our recommendations for protective equipment should be strictly adhered to for your personal protection. The Safety data sheet is available upon request from your local Normet representative.

Whilst any information and/or specification contained herein is to the best of our knowledge, true and accurate, we always recommend that a trial be carried out to confirm suitability of the product. Please note regional climatic conditions may cause a variation in the performance of the product. No warranty is given or implied in connection with any recommendations or suggestions made by us or our representatives, agents or distributors. The information in this data sheet is effective from the date shown and supersedes all previous data. Please check with your local Normet office to confirm that this is current issue.