Main Bearing Seal Grease (Excluder Grease for TBM)

Description:

SN-H.S.G is a main bearing sealing grease for shielded tunnel boring machine. This Grease is extremely water resistant and can effectively seal and protect the main bearing against ingress of water, soil and dust.

SN-H.S.G has excellent adhesiveness and excellent pumping properties and it does not clog the pumping systems. This sealant is manufactured using **biodegradable** base oil.

Performance & Features:

- Excellent Pumpability
- Extremely water resistant
- Excellent lubricating and sealing properties
- Resists against high water pressure
- **Biodegradable** and non-toxic
- Resists high water and ground pressure
- Excellent adhesiveness
- Lower consumption
- Fire resistant

Consumption:

The usage of the product is influenced by several factors,
Operational conditions during tunneling, like the cutterhead speed and the TBM's penetration rate.
The TBM's design features, such as the sealing gap

Properties:

Specifications	Methods	Conditions	Unit	SN-H.S.G
Base oil type				Vegetable oil
Dropping point	ASTM D566		°C	None
Worked penetration	ASTM D217	60 Dh	mm/10	250 – 270
Density		at 20°C	[kg/m3]	1.2 ± 0.05
Solubility				Not soluble
Water Washout	ASTM D1264		Mass %	<5
Matsumura Sealing Test		34 bar		pass
Flash Point	ASTM D 92		°C	>280
Minimum Service Temperature				+10 °C
Storage Temperature				+5°C - +40°C
Colour				Black