Tail Seal Grease

Description:

SN-T.S.G is a driving grade tail sealing grease for shielded tunnel boring machine. This Grease is extremely water resistant and can effectively seal the gap between the shield and the concrete segments against ingress of high pressure water, soil and dust. **SN-T.S.G** has excellent adhesiveness and good 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
- **Biodegradable** and non-toxic
- Resists high water and ground pressure
- Excellent adhesiveness
- Lower consumption
- Fire resistant

Consumption:

Consumption Rate: ≈ 0.7–1.2 kg/m2
Consumption rates depends on several factors such as segment ring surface conditions, degree of curvature of tunnel drives, tail seal brush conditions, grouting pressures, and slurry pressures.

Properties:

Specifications	Methods	Conditions	Unit	SN-T.S.G
Base oil type				Vegetable oil
Dropping point	ASTM D566		°C	None
Worked penetration	ASTM D217	60 Dh	mm/10	200 – 230
Density		at 20°C	[kg/L]	1.35 ± 0.05
Solubility				Not soluble
Water Washout	ASTM D1264		Mass %	<5
Matsumura Sealing Test		At 34 bar		Pass
Flash Point	ASTM D 92		°C	>280
Minimum Service Temperature				+10 °C
Storage Temperature				+5°C - +40°C
Colour				Light Cream