

TG Glider Series

Lubricant for the jacking method

TG glider is integral lubricant developed in order to improve the sliding of the fume pipe used in the jacking method.

Characteristic

- ◆ It can easily form solution because it is an integral lubricant.
- ◆ The frictional resistance will be smaller because TG Glider uses a polymer having a high friction reduction effect.
- ◆ It is possible to prevent effectively the penetration into the ground by clogged effect of lubricant.

Properties and Package

Name of product	Specific gravity	pH	Appearance	Main Component	Package
TG Glider I	0.9~1.0	7.0±1.0	White powder	Acrylic copolymer Acrylic polymer	10kg bag
TG Glider II	0.9~1.0	7.5±0.5	Brownish-red liquid	Acrylic copolymer Antifriction oil	15kg box (3kg × 5 bags)
TG Glider III	0.9~1.0	7.0±1.0	White powder	Acrylic copolymer	20kg bag
TG Glider L	1.0~1.2	8.0±1.0	Light yellow liquid	Acrylic copolymer	7.5kg box (1.5kg× 5 bags)

How to use

1. Please put predetermined amount of water into the mixer
2. Please added TG Glider little by little.
3. After stirring for about 10 minutes, it will be available.

Mixing ratio and Friction reduction effect

Name of product	Additive amount [kg]	Water [L]	Total amount [L]	Viscosity [mPa.s]	Friction reduction rate [%]
TG Glider I	1	199	200	1000±200 (500±200)	65
TG Glider II	3	198	200	2000±200 (1500±200)	68
TG Glider III	1.2	199	200	1500±200 (800±100)	62
TG Glider L	1.5	199	200	1000±200 (500±200)	60

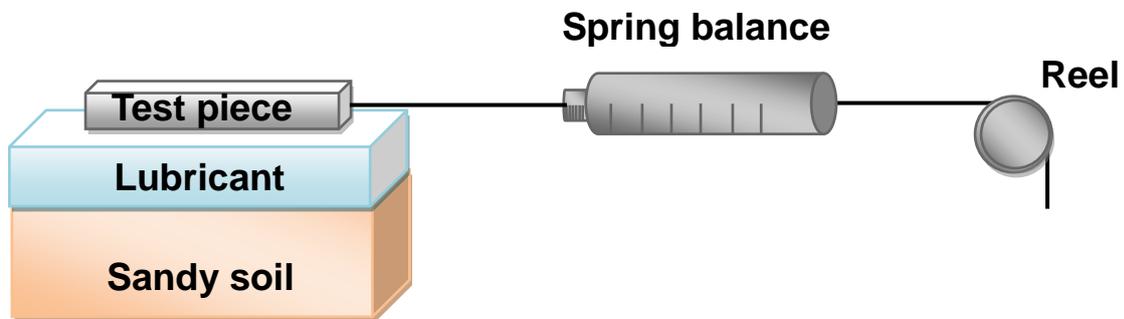
※The value of viscosity is measured by using Brookfield type viscometer.

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Precautions

Please use the fresh water (tap water, etc.) in the mixing

Friction reduction rate measurement method



- Test piece : Brick (1.25 kg)
- Spring balance (For 2 kg)
- * Measure the value of load when the test piece is moved.
(The value of load is 100 when does not use lubricant.)

Handling Precautions

- ◆ Please do not touch other than construction officials.
- ◆ Please do not mix with anything other than the specified material.
- ◆ Please keep to certain locations that avoid high temperature and humidity.
- ◆ In case of eye contact, immediately flush with water for 15 minutes or longer. Get medical attention.
- ◆ In case of ingestion, get medical attention.
- ◆ Please entrusted to industrial waste professional if you want to discard this product.



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