



EHY 高膠質鈉皂土

Extra High Yield Gel



產品簡述

EHY 高膠質鈉皂土(Extra High Yield Gel)係一種新研發、含高效能配方的高膠質鈉皂土，具使用量低與拌合快速簡便的特性。此特優級的美國懷俄明鈉皂土產品係專門用於鑽探、鑿井與水平掘進等的地下工程。其為一種含高膠質的皂土鑽掘液，可適應各種地下水質中，且明顯地降低使用量。

EHY 高膠質鈉皂土(Extra High Yield Gel)經美國國家公共衛生基金會(NSF)核准可應用於飲用水井的工程，因為在水井飲用前，其可用水完全沖洗乾淨。

特 性

- 造漿率 235 bbl/ton*。
- 具快速拌合、快速水解的特性。
- 鑽掘液中含砂量較低。
- 改善鑽掘液的逸流，減少滲入透水層中。
- 穩定開挖的地層。
- 減少循環損耗，提高使用效率。
- 適用於各種地下水質，包括含重金屬的地下水質。

*235 bbl/ton即是每噸皂土可拌成9,870加侖皂土漿，1 bbl等於42加侖。

物理性質

外觀-----	淺棕色至灰色
PH值-----	8~10
范氏黏滯度6rpm(lbs/100ft ²)-----	≥10
塑性黏滯度(cps)-----	≤15
降伏點(lbs/100ft ²)-----	≥20
API 失水量(cc)-----	≤25

拌合方法

1. 以純鹼(Soda Ash)調整貯存槽中拌合水的 pH 值至 8~10 之間。
2. 添加入 Extra High Yield Gel 高膠質鈉皂土，使其達到初始預定黏滯度。
3. 最後再添加入乳液型 SuperPro PAA 或細顆粒粉末型超泥漿高分子增黏劑，使達最終預定黏滯度。

包 裝

高膠質鈉皂土(Extra High Yield Gel)以 50 磅(22.7 公斤)多層紙袋包裝。



EXTRA HIGH YIELD™ BENTONITE



EXTRA HIGH YIELD™ BENTONITE has a Higher Performance™ formula that makes it very effective. This premium grade beneficiated Wyoming Bentonite is designed for use in mineral exploration, water well and directional drilling operations. EXTRA HIGH YIELD™ BENTONITE is an efficient viscosifier that performs well in a variety of water qualities and successfully reduces application rates, and mixes easily and quickly. EXTRA HIGH YIELD™ BENTONITE is listed with the National Sanitation Foundation for use in potable water well construction.

HIGH YIELDING BENTONITE VISCOSIFIER:

- 220 to 235 barrel yield.
- Mixes rapidly for fast hydration.
- Carries cuttings in mud with lower solids content.
- Enhances fluid loss characteristics; reduces seeping into permeable formations.
- Assists in bore hole stabilization.
- Helps eliminate loss circulation conditions.



DRILLING FLUID PREPARATION

Always adjust make-up water in tank to a pH of 8 to 9 before adding bentonite and/or polymer. Public water supplies often have a pH of only 6.5 to 7. Start by adding 6 oz. of soda ash to 300 gallon and add more as required to maintain a pH of 8 to 9. Add EXTRA HIGH YIELD™ BENTONITE to reach the desired initial funnel viscosity, then add UNI-DRILL® liquid polymer for final desired funnel viscosity. In most cases begin at a 40 to 45 second initial viscosity, then add UNI-DRILL® to bring the viscosity up to 45 to 50 seconds. Below are more specific mixing instructions for various drilling conditions using a 300-gallon mud pit.

CLAY - Soft or Hard (You want lower viscosity and lower fluid loss.)	
Soda Ash	Add about ¼ lb to get pH level of 8 - 9
EXTRA HIGH YIELD™	Add 1 +/- bag for funnel viscosity of 30-35 seconds
UNI-DRILL®	Add 3 - 4 quarts to bring final viscosity to 40-45 seconds
SAND - Wet or Dry (You want higher funnel viscosity and moderate fluid loss.)	
Soda Ash	Add about ¼ lb to get pH level of 8 - 9
EXTRA HIGH YIELD™	Add 1½ - 2 +/- bags for funnel viscosity of 45-55 seconds
UNI-DRILL®	Add 2 - 3 quarts to bring funnel viscosity to 55-65 seconds
UNKNOWN OR MEDIUM SOILS (You want moderate viscosity and moderate fluid loss.)	
Soda Ash	Add about ¼ lb to get pH level of 8 - 9
EXTRA HIGH YIELD™	Add 1 ½ bags for funnel viscosity of 35-40 seconds
UNI-DRILL®	Add 3 - 4 quarts to bring funnel viscosity to 45-55

This product is designed to be flushed out of the well bore prior to using the well for drinking water. Before placing a well in service for drinking water it is to be properly flushed and drained until the turbidity of the water is <NTU above ambient turbidity. (See THINZ-IT® for well completion.)

EXTRA HIGH YIELD™ BENTONITE is packaged in 50 pound, multi-walled paper bags.

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