

Hydrogel® 鈉皂土



產品描述

Hydrogel皂土係開採自美國懷俄明州，並經精心篩選研磨加工製造的高級蒙特脫(Montmorillonite)鈉皂土。其通過200篩網，能完全符合美國API-13A, Section 9的規範。Hydrogel皂土與水拌合後，即形成高黏滯度的膠體，具極佳的降伏點與膠體強度，作為鑽掘穩定液時，其在開挖壁體形成很薄的不滲透性泥膜，可保護挖掘的壁體，同時可降低穩定液的逸流。當用於背填灌漿時，其將降低土壤的滲透性。

特性

- 穩定開挖地層
- 降低穩定液的逸流
- 潤滑土壤的鑽掘
- 清除鑽掘的土碴

成份分析

SiO ₂ -----	61.4%	K ₂ O-----	0.1%
Al ₂ O ₃ -----	18.1%	TiO ₂ -----	0.2%
Fe ₂ O ₃ -----	3.5%	H ₂ O-----	7.8%
MgO-----	1.7%	L.O.I.-----	4.4%
Na ₂ O-----	2.3%	Other-----	0.07%
CaO-----	0.4%		

適用工程

- 地下鑽掘、水井、岩心鑽孔等。
- 基樁、連續壁。
- 隧道、微型推進管道與水平導向潛鑽。
- 土壤封閉劑。
- 地盤改良灌漿。
- 隧道背填灌漿。

使用方法

將3~6%的Hydrogel皂土添加入拌合水中，然後以快速攪拌機攪拌後備用。

包裝

100磅(45.4公斤)紙袋包裝或太空袋包裝。



產品規格

Product Specifications	A.P.I. Specifications 13-A, Sec. 9-2004	Typical Hydrogel
Barrel Yield	--	96±5
Viscometer Reading at 600 R.P.M.	30 Min.	36±6
Water Loss	15.0 cc Max.	13.5±1
% Thru 200 Mesh Screen	--	80±4
Wet Screen Analysis Residue on U.S. Sieve No. 200	4.0% Max.	3.0±0.5
% Moisture	10.0%	7±1
PH	--	9.0±1.0
Gel Strength—10 Sec.	--	4±1
Gel Strength—10 Min.	--	12±3
Plastic Viscosity	--	12±2
Yield Point, lb/200 ft.	3 x P.V. Max.	16±2

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HYDROGEL[®]



For use in drilling operations where premium grade Wyoming Bentonite is desired. HYDROGEL[®] is a preferred product for use in oil and gas exploration drilling. It is also used in slurry trenching, caisson boring, and cast-in-place concrete foundations.

PRODUCT CHARACTERISTICS:

- Manufactured to exceed API 13A, Section 9 specifications.
- 200 mesh viscosity builder.
- Yields excellent fluid loss characteristics.
- Assists in stabilizing the bore hole or trench walls.

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Gel Strength—10 min	--	12 ± 3
Plastic Viscosity	--	12 ± 2
Yield Point, lb/100 sq. ft.	3 x P.V. Max.	16 ± 2

APPLICATION RATE

Mix 20 to 50 pounds per 100 gallons of make-up water. 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 <1 NTU above ambient turbidity.

HYDROGEL[®] is available in 50 pound and 100 pound multi-walled paper bags, bulk bags, or bulk.

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