



钻井液用随钻堵漏剂

Use surfactant-based oil displacement agents for oil extraction

产品概述

【外观】本品为灰白色、淡黄色或黄色粉末。

【物理化学性质】随钻堵漏剂（改性植物纤维）主要由天然植物、纤维素、植物胶、聚戊糖等。外观呈可流动性固体粉末。是一种用于钻井液中降低滤失保护储层的封堵材料。



性能特点

- 1、原材料环保安全，具有良好的生物降解性，对人体和环境无害；
- 2、对孔隙及微裂漏失，堵漏速度快，效果好；
- 3、能显著降低泥浆的滤失量，同时不影响泥浆的流变性能，耐高温性能优良；
- 4、能迅速形成具有一定强度的非渗透性屏蔽带阻止工作液中的液、固态物质侵入储层，使储层免遭损害，屏蔽带通过射孔反排可以解除。

【用法及用量】

1. 预防渗漏用量 1%-2% 。
2. 封堵砂层孔隙和微裂隙、保护储层，用量 2%-4% 。
3. 封堵严重漏失层，用量 4%-6% 。

技术指标

钻井液用随钻堵漏剂技术要求

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项 目	指 标
外观	淡黄色或灰黄色粉末
筛余量（孔边长 0.28mm 标准筛） %	≤10.0
PH 值	6.0-8.0
水份， %	≤8.0
灼烧残渣， %	≤7.0
性 能 指 标	
表现粘度增长率， %	≤20
密度， g/cm3	≥1.00
封闭滤失量(30min)， ml	≤30

产品用途

【用途】用于封堵漏失层，也可保护低压产层，有效防止钻井液流失，保障钻井过程的稳定性，稳定井壁、防止井漏和井眼塌陷，减小钻具摩擦，降低钻头磨损，延长设备使用寿命，提高钻井效率。

包装与贮存

【包装】25kg/袋，编织袋或纸塑复合袋包装，或使用吨包进行包装，也可按客户要求包装。

【存储条件】储运时应存放于干燥、阴凉、通风的库房，注意防潮。

【保质期】1 年。



Product Overview

[Appearance] This product is a grayish-white, pale yellow, or yellow powder.

[Physicochemical Properties] The lost circulation material (modified plant fiber) is primarily produced from natural raw materials through a scientific formula. Its main components include highly active humic acid salts and their derivatives, cellulose, plant gum, pentosan, etc. It appears as a flowable solid powder and serves as a sealing material used in drilling fluid to reduce filtration and protect the reservoir.

Characteristics

1. The raw materials are environmentally friendly and safe, possessing good biodegradability and posing no harm to the human body or the environment;
2. For pore and micro-crack leakage, it has fast plugging speed and good effect;
3. It can significantly reduce the filtration loss of mud without affecting its rheological properties, and exhibits excellent temperature resistance;
4. It can quickly form a non-permeable shielding zone with a certain strength to prevent the intrusion of liquid and solid substances in the working fluid into the reservoir, thus protecting the reservoir from damage. The shielding zone can be removed through perforation backflow.

[Usage and Dosage]

1. The amount for leakage prevention is 1%-2%.
2. Seal sand layer pores and micro-fractures, protect the reservoir, with a dosage of 2%-4%.
3. Seal the severely leaking layer, with a dosage of 4%-6%.

Technical Specification

Technical requirements for plugging agents used in drilling fluids during drilling

Physical and chemical indicators	
project	Indicators
appearance	Light yellow or grayish yellow powder
Sieve residue (standard sieve with hole side length of 0.28mm)%	≤10.0
ph value	6.0-8.0
Moisture,%	≤8.0
Burning residue,%	≤7.0
Performance indicators	
Performance viscosity growth rate,%	≤20
Density, g/cm3	≥1.00
Closed filtration loss (30min), ml	≤30

Applications

[Purpose] It is used to seal leakage layers, protect low-pressure production layers, effectively prevent the loss of drilling fluid, ensure the stability of the drilling process, stabilize the wellbore, prevent well leakage and wellbore collapse, reduce friction of drilling tools, reduce wear of drill bits, extend equipment service life, and improve drilling efficiency.

Package and Storage

【 Packaging 】 25kg/bag, packaged in woven bags or paper plastic composite bags, or packaged in ton bags, or packaged according to customer requirements.

[Storage conditions] During storage and transportation, it should be stored in a dry, cool, and ventilated warehouse, and attention should be paid to moisture prevention.

Shelf life: 1 year.



公司地址 Company Address：
陕西省商洛市商南县东正公司
Dongzheng Company, Shangnan, Shangluo, Shaanxi Province, China

公司电话 Company Office Number：400-8031-008
邮箱 Email： dz@dongzhengjituan.cn
网址 Website： www.dongzhenghuagong.com