

防水锁剂 Waterproof locking agent

产品概述

本品外观一般为黄色或淡黄色可自由流动的均匀液体。

压裂用防水锁剂使用后可产生丰富细腻的泡沫。有良好的乳化性、分散性、水溶性、去污性。产品水溶性好，能极大降低体系表面张力，同时可和自来水可以任意比例互溶，不出现浑浊，分层等现象，静置后表面张力稳定性好，热稳定性好。

性能特点

1. 可有效预防和解除水锁伤害；
2. 提高渗透率恢复率；
3. 能够改善钻井液和完井液性能；
4. 能够降低储层伤害；
5. 能够适应多种环境；
6. 成分安全操作简便。

技术指标

项目	指标
外观	均匀液体或固体颗粒
pH	6~8
水溶性	溶解均匀，不分层，无沉淀
表面张力, mN/m	≤34
界面张力, mN/m	≤1.0
接触角	≥45°
恢复比	≥20%
有机氯含量	0.0%

产品用途

压裂用防水锁剂的主要用途是防止和解除低渗油气田在钻井、完井、压裂等过程中因水相侵入产生的储层伤害，从而提高油井产量；通过降低表面张力和界面张力，改善工作液的润湿性，有效防止水锁效应，保护油气藏的渗透率，从而提升油气井的生产效率。

包装与贮存

1. 本产品用吨桶、桶包装，吨桶净重1000kg、桶装200kg、25kg，也可根据客户要求定制包装。
2. 本产品在贮存时应保存在避光、清洁、阴凉、干燥处，室温下密闭保存。
3. 保质期：2年。



Product Overview

The appearance of this product is generally a yellow or light yellow, freely flowing, uniform liquid.

The waterproof locking agent for fracturing can generate rich and fine foam after use. It has good emulsifiability, dispersibility, water solubility, and detergency. The product has good water solubility, which can greatly reduce the surface tension of the system. At the same time, it can be miscible with tap water in any ratio without turbidity, stratification, or other phenomena. After standing, the surface tension stability is good, and the thermal stability is good.



Characteristics

1. It can effectively prevent and relieve water lock damage;
2. Improve the recovery rate of penetration;
3. Capable of improving the performance of drilling fluid and completion fluid;
4. Capable of reducing reservoir damage;
5. Able to adapt to various environments;
6. The ingredients are safe and easy to handle.

Technical Specification

Item	Specification
Apparence	Homogeneous liquid or solid particles
pH	6~8
Water-soluble	It dissolves evenly, without stratification or sedimentation
Surface tension, mN/m	≤34
Interfacial tension, mN/m	≤1.0
Contact angle	≥45°
Recovery ratio	≥20%
Organic chlorine content	0.0%

Applications

The main purpose of water-resistant locking agents used in fracturing is to prevent and mitigate reservoir damage caused by water phase invasion during drilling, completion, fracturing, and other processes in low-permeability oil and gas fields, thereby increasing oil well production. By reducing surface tension and interfacial tension, the agents improve the wettability of the working fluid, effectively prevent water-locking effects, protect the permeability of the oil and gas reservoir, and thus enhance the production efficiency of oil and gas wells.

Package and Storage

1. Package: This product is packaged in ton barrels and drums, with a net weight of 1000kg for ton barrels, 200kg and 25kg for drums. Customized packaging is also available upon customer request.
2. Storage: in a dark, clean, cool, and dry place, and keep it sealed at room temperature.
3. Shelf-life: two (2) years.



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