



Drilling Fluids, Inc.

Specialty Product

POLYTEK⁺

Description

POLYTEK is the base product for the POLYTEK mud system. POLYTEK is a high performance water base mud system designed to provide wellbore stability that approximates OBM conditions.

Uses

POLYTEK⁺ is used in situations where highly inhibited mud systems are necessary such as when drilling through unstable shale and clay formations. POLYTEK⁺ is fully compatible with most salt systems. This is particularly true of Potassium Chloride.

Benefits

POLYTEK⁺ prevents the swelling of clays and is resistant to cement, salt water, and CO₂ contamination. It also provides some fluid loss control and rheology stabilization.

Treatment

POLYTEK⁺ is added at 22 ppb for initial and all additional volume. A biocide treatment for initial and new volume may be necessary to prevent biodegradation.

Function

POLYTEK⁺ functions by limiting the absorption of water into the clay matrix through the interactions of a proprietary blend of physical and chemical reactions. By limiting water adsorption clays do not swell.

Typical Physical Properties

Appearance..... Grey and white multi sized particles
pH at 22 ppb in Water..... 9.0

Safe Handling Recommendations

Utilize normal precautions for employee protection when handling chemical products. Use of appropriate respirator, gloves, goggles, and apron is recommended for employee comfort and protection. See Material Safety Data Sheet (MSDS) for this product prior to use.

Packaging

POLYTEK⁺ is packaged in 50 pound multiwall bags.