

STARCH PLUS

PREGELATINIZED STARCH

Technical Bulletin

STARCH PLUS is a modified starch-based product. Used as a filtration reducer in water-based drilling fluids. Minimize the increase of viscosity in the fluid system.

Typical Physical Properties

Physical appearance.....Coarse, off-white powder
Bulk density.....38 to 47 lb/ft³ (600 to 750 kg/m³)
pH (0,3% slurry or 2.5 lb/100 gal).....9.6

Applications and Functions

- * Reduce filtration in water-based drilling fluids for HDD (horizontal directional drilling).
- * Do not increase the fluid viscosity.
- * Promotes stability while drilling in water sensitive formations.
- * Minimize shale and clay cuttings dispersion.
- * Enhance foam characteristics to improve cuttings transport in air/gel-foam drilling.

Advantages

- * Effective in fresh water, salt water and brackish water environments.
- * Minimize viscosity increase.
- * Aids in the stabilization of unconsolidated and poorly graded sands.

Limitations

- * **STARCH PLUS** will not degrade due to bacteria or time in the well bore.
- * **STARCH PLUS** should be used with caution near production zones.

Packaging and Storage

STARCH PLUS is packaged in 50 lb (22,68 kg) sacks. Storage in a dry and cool location is recommended.

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