HE 300

P1434.1502

WBM Drilling

Product Description

HE® 300 Polymer is one member of a family of synthetic, water-soluble polymers of varying composition and molecular weight developed for high temperature oilfield applications. Is an efficient thickener for a wide variety of fluid types including fresh water, seawater, brines and acids. It is designed to provide higher thermal stability than other water-soluble polymers

Product Function

As an acid viscosifier, for reducing fluid loss, extending acid spending time and improving stimulation results by increasing live acid penetration. As a thickener for Slick Water Fracturing. As a thickener for fresh water or brines in workover and completion operations. As a high temperature fluid loss additive in silicate drilling fluids.

Features and Benefits

- Hydrates rapidly in most aqueous systems - Resists thermally induced hydrolysis - Maintains solubility at high temperatures - Thickens brines of various compositions - Improves carrying capacity of fluids - Gel able with various organic crosslinkers - High tolerance to changes in pH

Recommended Treatment

It is generally reserved for application where reservoir temperatures exceed 240 °F. It can be readily cross-linked with various organic systems, including phenol formaldehyde, resorcinolformaldehyde, phenyl acetate- HMTA or hydroquinone-HMTA. Polymer loadings as high as 14 lb/BBL may be used in order to maximize gel rigidity in water shutoff treatments.

International Shipping References

Transportation of HE® 300 Polymer is not restricted by any regulatory agency.

Standard Packing

HE® 300 Polymer is packaged in 50 lbs multiwall paper sack. 40 sacks per pallet.

Safe Handling Recommendations

Utilize normal precautions for employee protection when handling chemical products. Utilize appropriate respirator, gloves, goggles and apron. Refer to the Material Safety Data Sheet (MSDS) for this product prior to use.

Typical Physical Properties

- Physical State: Solid
- Reservoir Compatible: Both
- Sub Category: HT Synthetic Polymer
- SG value: 1.1
- Specific Gravity: 1.1
- Max Temperature: 350
- Category: Viscosifiers
- Product Tier: Regular
- Appearance: Free Flowing powder

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