

THERMOTHIN

Product Description

THERMOTHIN® is a sulfonated styrene-maleic anhydride copolymer based (SSMA for short), low molecular weight, top-level thinner used in most water-based drilling fluids at extreme temperature conditions. THERMOTHIN® is actually enhanced by the unusually high temperature encountered when drilling deep wells, and has been used successfully at BHT in excess of 500°F. THERMOTHIN® is effective over a broad pH range and in the presence of contaminants such as carbon dioxide, cement, lime or salt.

Applications/Functions

- Deflocculate water-based systems at extreme downhole temperatures
- Helps minimize thermal flocculation
- Stabilizes the rheological and filtration properties of WBM at extreme temperature conditions

Advantages

- Temperatures stable up to 500°F
- Compatible with other drilling additives
- Effective over a broad pH range
- Effectively treat contaminants from carbon dioxide, cement, lime or salt
- Environmentally acceptable

Typical Properties

- Appearance: Amber Liquid
- Density: 1.00 kg/m³
- pH: 12

Recommended Treatment

- The addition of 1- 6 ppb of THERMOTHIN® will normally stabilize the rheological characteristic of fluids exposed to extreme downhole temperatures

Package

- 55 GAL DRUM



