

Description

KAR-THIN HTX is a liquid anionic acrylic copolymer used as high temperature deflocculant in a wide range of water-base drilling fluids.

Typical Properties

Appearance : Pale yellow viscous liquid
pH (neat) : 6.5 - 7.5
Specific Gravity : 1.25 - 1.35

Features and Benefits

KAR-THIN HTX is an effective deflocculant in freshwater, seawater, sodium chloride and potassium chloride systems.

KAR-THIN HTX works well in low solids, non dispersed polymer-base fluids.

KAR-THIN HTX minimizes high temperature gelation in excess of 400 °F (204 °C).

KAR-THIN HTX is not affected by calcium contamination or by high levels of salt.

KAR-THIN HTX is not pH dependent and works over a wide pH range.

KAR-THIN HTX also contributes to filtration control.

KAR-THIN HTX is not subject to bacterial degradation and environmentally acceptable.

Application

KAR-THIN HTX is used to control fluid rheology and to prevent high temperature gelation in a wide range of water-base drilling fluids.

Limitations

Although KAR-THIN HTX is resistant to calcium contamination, high calcium concentrations greater than 500 mg/l dictate increased treatment levels.

KAR-THIN HTX becomes less effective in high solids fluids necessitating high treatment levels.

KAR-THIN HTX is thermally stable up to 400 °F (204 °C).

Treatment

Normal treatment levels range from 1 to 4 lb/bbl (2.9 to 11.4 kg/m³). The concentration will vary depending on the solids content and composition of drilling fluid system.

KAR-THIN HTX is added slowly and uniformly through the mud hopper or directly into the suction pit.

Packaging

KAR-THIN HTX is supplied in 25 kg (55 lb) HDPE pails.