

Description

KAR-LOSE BX is an ester based cross-linked modified starch used as fluid loss control agent in water-base drilling and drill-in fluids utilizing the high low end rheology.

Typical Properties

Appearance : White powder
pH (1% solution) : 7 - 9
Bulk Density : 600 - 700 kg/m³

Features and Benefits

KAR-LOSE BX is cross-linked starch providing effective filtration control in PAY DRILL system.

KAR-LOSE BX works synergistically with KAR-ZAN DS to enhance low shear rate viscosity (LSRV) of PAY-DRILL system.

When KAR-LOSE BX is combined with a bridging agent such as sized calcium carbonate, PAY DRILL system provides a thin and flexible filter cake which can easily be removed with low breakout pressure. These characteristics of PAY DRILL system protect producing zone from damage by restricting fluid loss, fines migration and solids invasion.

KAR-LOSE BX is effective in all types of water-base drilling, drill-in, workover and completion fluids.

KAR-LOSE BX is non-ionic and thus has a good tolerance to monovalent and multivalent cations and is effective over a wide pH range.

KAR-LOSE BX is not subject to bacterial degradation.

Application

KAR-LOSE BX can be used as fluid loss control agent in all types of the water-base drilling, workover and completion fluids.

Limitations

KAR-LOSE BX becomes less effective under the combined effect of high hardness and high pH as well as in saturated salt systems dictating greater additive consumption.

KAR-LOSE BX is thermally stable up to 125 °C (250 °F). The temperature stability can be increased by 20 °C using KAR-POLY TS thermal extender.

KAR-LOSE BX may cause excess viscosity when added to drilling fluids with high solids content.

Treatment

Normal treatment levels range from 2.0 to 7.0 lb/bbl (5.7 - 20.0 kg/m³). KAR-LOSE BX is readily dispersible and can be added rapidly through the mud hopper.

Packaging

KAR-LOSE BX is supplied in 25 kg (55 lb) multi-wall paper sacks.