

VIS-STAR FP



VIS-STAR FP is a readily dispersible, ultra-high molecular weight anionic polymer designed to provide cuttings encapsulation, fluid loss control and clay/shale stabilization. VIS-STAR FP acts as a viscosifier, reduces friction and flocculates fines in the fluid. It can be added to the system or directly to the borehole. VIS-STAR FP can be used in drilling and in trenching.

Application

VIS-STAR FP will increase the viscosity and enhance the overall ability of drilling fluids. Improving fluid loss, clay/shale stabilization, and cuttings encapsulation and removal. VIS-STAR FP, in low doses, can be used to extend bentonite based fluids, further increasing the base fluid properties. VIS-STAR FP will bind together unconsolidated formations increasing well-bore stability. It will also flocculate fines, allowing them to settle and help maintain a clean fluid.

Advantages

- Can be mixed in the borehole or into the excavation
- Clay and shale stabilizer (encapsulator)
- Enhances the removal of drill solids, clean fluid
- Non-gelling, allowing for the settlement of fine
- Reduces skin friction (Lubrication)
- Improves fluid loss and bore stability

Typical Usages

Typical Amounts of VIS-STAR FP Added to freshwater		
Drilling Application	lbs/1000 gal	kg/m ³
Clay & Shale	3.5-5.0	0.5-0.6
Silt & Fine to Medium Sand	5.0-7.0	0.6-0.8
Coarse Sand to Gravel	7.0-9.0	0.8-1.0
Gravel to Cobbles	9.0-12.5	1.0-1.5

Properties

Physical Appearance	Granular solid (White)
Specific Gravity	1.25 - 1.40
pH	6.0-8.0
Ionic Character	Anionic
Solubility	Soluble
Charge Density	Medium

Packaging

VIS-STAR FP is packaged in 55 lbs (25 kg) bags