

HYPERDRILL AF 207RD

ACRYLAMIDE-BASED CO-POLYMER

Hyperdrill AF 207RD has been developed to give enhanced performance in conventional clear water or low solids drilling fluids while maintaining functionality in K+, polymer and high salt systems.

With improved dispersibility over conventional PHPA powders, **Hyperdrill AF 207RD** provides all the benefits normally associated with PHPA type additives. It will provide viscosity, shale stabilization, flocculation, lubrication and foam stabilization.

As a viscosifier, **Hyperdrill AF 207RD** is very efficient and cost effective in low solids, low salinity-drilling fluids. Normal dosage rates are between 0.75-3.0 kg/m³.

Hyperdrill AF 207RD can be used alone or in conjunction with clay stabilizers such as K+ to inhibit shale hydration.

Sufficient polymer must be maintained in the system to provide a protective coating on the well bore and drill cuttings. Normal addition rates are 0.6-3.0kg/m³.

PHYSICAL PROPERTIES:

Appearance: Off-white powder
Specific Gravity: 0.65
Bulk Density: 0.7 kg/m³

CHEMICAL PROPERTIES:

Type: Flocculant
Solubility: Dispersible-Soluble
pH: 6.0-8.0 (0.5% solution)
Microtox: ↑91% @ 3.0 kg/m³

MIXING & HANDLING

Hyperdrill AF 207RD is added either at the flow line to promote solids settling in the sump or at a point prior to mechanical separation equipment.

A 0.5% stock solution is most commonly prepared using (1) one viscosity cup of polymer per 50 gallons of fresh water. It must be mixed slowly to prevent "humping" and the subsequent loss of polymer at the shaker screen.

Hyperdrill AF 207RD becomes very slippery when it comes in contact with water. A spill should be cleaned up with an absorbent material. It is advisable to use a dust mask and eye protection while mixing all powdered products.

WHMIS: Not controlled
TDG: Not regulated
Packaging: 25kg bag

