



Certified to NSF/ANSI 60



STAR-GEL XTRA

STAR GEL XTRA viscosifier is a premium ultra-fine grind bentonite blended with special extenders, producing a product that will yield more than twice as much viscosity as API Wyoming bentonite.

STAR GEL XTRA is an easily mixed bentonite for freshwater and extended bentonite systems.

APPLICATIONS STAR-GEL XTRA is used to rapidly build mud viscosity and provide superior hole cleaning, as well as to help control lost circulation, formation sloughing and promote hole stability in unconsolidated formations. Typical uses are in:

- Potable-water wells
- Mineral exploration (coring and rotary drilling)
- Horizontal directional drilling
- Construction
- Gel-foam air drilling operations

ADVANTAGES

- 93 % passing through 200 mesh grind specification ensures rapid hydration with limited mixing equipment
- Yields more quickly than API-standard bentonite
- Non-toxic and proven suitable for use in drilling potable water wells
- Increased penetration rates due to lower solids content than standard API bentonite systems
- Transportation and storage costs are reduced due to lower treatment requirements as compared to API bentonite

TYPICAL USE

Typical Amounts of STAR-GEL XTRA Added to fluid system			
Drilling Application/Desired Results	lb/100 gal	lb/bbl	kg/m ³
Normal drilling	15 – 25	6 – 11	15 – 30
In gravel or other poorly consolidated formations	25 – 40	12 – 18	35 – 50
Lost-circulation control	35 – 45	15 – 20	40 – 45
Added to freshwater mud to improve hole-cleaning properties, increase hole stability and develop filter cakes	5 – 10	2 – 5	6 – 14

TYPICAL PROPERTIES

Physical appearance	Light tan, gray-green powder
Specific gravity	2.3 – 2.5
Approximate yield	220 bbl/ton

PACKAGING STAR-GEL XTRA is packaged in 50-lb (22.7 kg), multi-wall bags at 70 per pallet