

DESCRIPTION

Biopolymer FLOWZAN® is a highly purified biopolymer - xanthan gum, a unique proprietary dispersed composition that significantly reduces the formation of fish-eye structures. FLOWZAN biopolymer is a high performance dispersible powder.

APPLICATION

FLOWZAN Biopolymer is a versatile product and can be used in most types of water-based fluids for rheological modification, well flushing and suspension. It is also compatible with most other drilling fluid additives commonly used in drilling fluids. FLOWZAN biopolymer functions effectively in freshwater and brine-based drilling fluids, as well as a variety of workover fluids and brine-based well completion fluids over a wide pH range.

ADVANTAGES

- ✓ Provides high viscosity - typically requires less material than other competitive products.
- ✓ Stable control of rheological properties.
- ✓ Excellent suspending properties.
- ✓ Produces a shear thinning solution that provides optimal penetration rate.
- ✓ Functions well in solutions based on fresh water, sea water, brines and saturated saline solutions.
- ✓ Fast dispersion without lump formation.
- ✓ Provides minimal formation damage.
- ✓ Reduces circulation pressure loss.
- ✓ Effective friction reducer
- ✓ Effective up to 250 OF (121 OC)

RECOMMENDED APPLICATION

Horizontal drilling and completion of wells	0.25 – 2.0 lb/bbl (0.7 – 6.0 kg/m ³)
Solutions for formation drilling	0.25 – 2.0 lb/bbl (0.7 – 6.0 kg/m ³)
Drilling large diameter wells	0.5 – 2.0 lb/bbl (2 – 6 kg/m ³)
Solids-free drilling fluids, completion fluids and workover fluids	0.5 – 2.0 lb/bbl (2 – 6 kg/m ³)