

PRODUCT DATA

Extra High Yield[®] Bentonite

Viscosifier, Gellant
Fluid Loss Control Agent

Description **Extra High Yield[®] Bentonite** is a finely ground (200 mesh), premium-grade, beneficiated Wyoming sodium bentonite. **Extra High Yield[®] Bentonite** is a trademark of Wyo-Ben, Inc.

Application **Extra High Yield[®] Bentonite** is used in most drilling applications.



Properties **Extra High Yield[®] Bentonite** concentrations vary dependant on the application and with the type of additives used:

Application	Concentration (lb/100 gal)
Make up Fluid (with Polymer addition)	10-15
Normal Drilling	15-25
Unconsolidated Formations	25-40
Lost Circulation	35-50

Function **Extra High Yield[®] Bentonite** is used as the base fluid for many water-based drilling fluids. While **Extra High Yield[®] Bentonite**'s primary function is to provide viscosity, it also exhibits gelling properties characteristic of fluid loss control agents.

Mixing **Extra High Yield[®] Bentonite** is dry clay and therefore requires high shear and agitation for proper hydration. **Extra High Yield[®] Bentonite** should be mixed no faster than five minutes per sack and should always be mixed before polymers. Cold water increases mixing time. **Extra High Yield[®] Bentonite** loses effectiveness in hard, low pH or salt water. To achieve the maximum yield of 220-235 bbl, the make up water should be treated with soda ash (sodium carbonate) to a pH of 8.0-9.0. Do not use salt water since it cannot be treated.

WHMIS: Controlled (see MSDS)

TDG: Not regulated

Packaging: 50lb multi-wall paper sack and is available in bulk

Physical properties and bioassay information are available on request.

