

Technical Data Sheet

BENTONITE

BENTONITE is widely used as a viscosifier and fluid-loss reducing agent in freshwater and seawater muds. It is supplied in a variety of grades.

APPLICATION

BENTONITE is universally used as a cost-effective viscosifier and fluid-loss reducer. It is most effective in fresh water but can be used in sea water or salt brines if it is prehydrated. Heavy salt contamination or contamination from calcium ions may cause BENTONITE slurries to flocculate. This edge-to-face association of clay particles leads to the determination of fluid-loss control.

BENTONITE may be protected from contamination by the addition of thinners or dispersants. These compounds also minimize the high temperature gelation tendency shown by BENTONITE drilling fluids.

Due to the flat, plate like shape and small size of its particles, BENTONITES from a high level of lubricity, thus reducing the torque on the drillstring.

Untreated BENTONITE is normally used in high temperature applications as it does not contain any peptizing polymers.

TREATMENT

Add as required for viscosity and fluid-loss control.

TYPICAL PROPERTIES

Appearance:	Brown to grey powder
pH (5% solution):	9.3
Bulk density:	800 - 960 kg/m ³
Specific Gravity:	2.5 (min.)
Solubility:	Insoluble

PACKAGING

25 kg. 5 ply paper sacks, which may be palletized and stretch wrapped.
It is also available in a variety of bulk bag sizes