

**ATRIUM**  
BENTONITE



# BENTONITE

## ENGINEERING PROPERTIES



**TYPE:**

SODIUM BENTONITE

Specific Gravity  
**2.6**



**73 lbs/ft<sup>3</sup>**  
Bulk Density

Wet Screen Analysis Residue  
**<1%**



**Thixotropic:**

A gel which becomes a fluid when shaken



**Absorbent:**

Can also be described as 'Hygroscopic' which means it retains fluid



**High Plasticity:**

Susceptible to significant swelling and formation change when wet



Cation Exchange Capacity  
**80-90 meq/100 grams**



MINIMUM Free Swell:  
**16 ml, 2 gram sample in 100ml water**



API Apparent Viscosity(cps):  
**33, Aged Fann 600 rpm**



API 30 Min Fluid Loss(cc):  
**15 ml +/-**



Colloid Content:  
**2% suspension, aged 24 hrs, 85%-95%**



API Yield:  
**Minimum 80 barrels/ton**



Mineralogy by X-Ray Diffraction:  
**Smectite 85%-95%**



Moisture Content:  
**14%-16%**



No Polymer Additives

[www.swellclay.com](http://www.swellclay.com)