



Petroleum Products

VOLCLAY® CGB-211

High Yield Bentonite

CGB-211 is a high-yield, 200 mesh sodium bentonite used for all types of freshwater drilling where lower solids are required. It is a unique blend of smectite minerals and delivers improved rheological properties over traditional premium grade bentonites.

Purity

- Hydrous aluminum silicate comprised principally of the clay mineral montmorillonite
- Contains small portions of feldspar, calcite and quartz

Advantages

- Mixes quickly and easily
- Stabilizes the borehole
- Removes cuttings
- Cools and lubricates the bit
- Reduces fluid loss into the formation

Technical Specifications

| Product | Bulk Density (lbs./ft ³) | Moisture (As Shipped) | pH | Mesh | Dry Particle Size | Wet Particle Size |
|-----------------|--------------------------------------|-----------------------|-------------------------|------|---|--|
| Volclay CGB 211 | Typically 54 | 12% maximum | 8.5 to 10.5 @ 5% solids | 200 | 65% minimum passing 200 mesh (74 microns) | 94% minimum passing 200 mesh (74 microns) 92% minimum passing 325 mesh (44 microns) |

Chemical Formula: Dioctahedral smectite, an expanding layer silicate - $(\text{Na,Ca})_{0.33}(\text{Al}_{1.67}\text{Mg}_{0.33})\text{Si}_4\text{O}_{10}(\text{OH})_2 \cdot n\text{H}_2\text{O}$.

Packaging: Bulk or palletized in carload and truckload quantities. 100 lbs. and 50 lbs. multiwall, water-resistant bags or 2,000 lbs. bulk bags.

