



Petroleum Products

VOLCLAY API Gel NT[®]

API Grade Bentonite

API Gel NT is a 200 mesh sodium bentonite used for all types of freshwater drilling where higher solids and a non-chemically treated bentonite are required. It complies with American Petroleum Institute drilling fluid specification 13A, section 10, for non-treated bentonite.

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 API Gel NT	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.

