

# BENTONITE CLAY

## Technical Data

This document was revised on 26<sup>th</sup> May 2015 and supersedes all earlier versions.

### Product Description

This bentonite clay is a high quality Argentinian natural sodium bentonite, milled and air classified to give a consistent fine powder.

### Typical Chemical Analysis

SiO <sub>2</sub>	60.61%	CaO	2.07%
Al <sub>2</sub> O <sub>3</sub>	18.42%	K <sub>2</sub> O	<0.45%
Fe <sub>2</sub> O <sub>3</sub>	4.79%	TiO <sub>2</sub>	0.47%
MgO	2.78%	Mn <sub>2</sub> O <sub>3</sub>	<0.06%
Na <sub>2</sub> O	3.2%	LOI	6.43%

### Typical Mineralogy

Montmorillonite	88%	Feldspars	5%
Gypsum	5%	Quartz	<2%

### Other Typical Properties

Bulk Density	800 – 900 Kg/m <sup>3</sup>
Cation Exchange Capacity	77 meq/100g
Swelling Volume	29 cm <sup>3</sup> /2g
Moisture	<14% by weight

### Sieve Analysis

Retained on a 150µm sieve	<5%
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