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BENTONITE CLAY

Technical Data

This document was revised on 26th 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 ₂	60.61%	CaO	2.07%
Al ₂ O ₃	18.42%	K ₂ O	<0.45%
Fe ₂ O ₃	4.79%	TiO ₂	0.47%
MgO	2.78%	Mn ₂ O ₃	<0.06%
Na ₂ 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 ³
Cation Exchange Capacity	77 meq/100g
Swelling Volume	29 cm ³ /2g
Moisture	<14% by weight

Sieve Analysis

Retained on a 150µm sieve	<5%
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