



TECHNICAL DATA SHEET

CALCIUM BENTONITE

CALCIUM BENTONITE is an absorbent clay that typically forms after volcanic ashes age.

USES

CALCIUM BENTONITE can be used as a rheology modifier, binding agent, absorbent, filler and other applications like; foundry, iron ore agglomeration and drilling.

CALCIUM BENTONITE is no swelling and break down to a finely granular aggregate that is widely used as an absorbent clay sometimes called fuller's earth. The chemical formula: **(NaCa)_{0.3}(AlMg)₂Si₄O₁₀(OH) n (H₂O)**

PHYSICAL PROPERTIES

Colour:	brown
Moisture:	11.5%
Bulk density:	0.85 – 1.0 g/cm ³
Sieve grading (150 micron):	<1% retained
pH:	9

CHEMICAL PROPERTIES

Chemical	%
SiO ₂	57 %
Al ₂ O ₃	19.6 %
CaO	5.08%
Fe ₂ O ₃	8.08 %
MgO	8.85 %
Na ₂ O	0.31 %
K ₂ O	0.21 %
LOI	13.67 %

PACKAGING

40kg
1000kg
Tankers

STORAGE

Must be stored in a moisture-free zone.