



TECHNICAL DATA SHEET

SODIUM BENTONITE PELLETS

USES

SODIUM BENTONITE PELLETS are manufactured from swelling bentonite and produced in a compressed pellet form for use in sealing and water barrier applications.

PRODUCT DESCRIPTION

SODIUM BENTONITE PELLETS are impure aluminium phyllosilicate clay consisting mostly of montmorillonite $[(\text{Na,Ca})_{0.3}(\text{Al,Mg})_2\text{Si}_4\text{O}_{10}(\text{OH})_2 \cdot n\text{H}_2\text{O}]$.

PHYSICAL PROPERTIES

Property	Value
Colour	: Brown
pH (5 % in H ₂ O)	: 10 – 10.5
Bulk density	: 1.0 – 1.15 g/cm ³
Moisture (dried at 120°C)	: <12%
Pellet diameter	: 6-8 mm

TYPICAL CHEMICAL PROPERTIES

Chemical	%
SiO ₂	48.42
Al ₂ O ₃	17.72
CaO	3.53
Fe ₂ O ₃	6.33
MgO	3.30
Na ₂ O	1.53
MnO	0.15
K ₂ O	0.39
SO ₃	0.06
TiO ₂	0.32
V ₂ O ₅	0.02
Cr ₂ O ₃	0.07
LOI	15.51

TYPICAL MINERALOGY

Mineral	%
Calcite	8
Quartz	10
Kaolinite	19
Plagioclase	7
Microcline	2
Smectite	54

PACKAGING

1000 kg bulk bags

STORAGE

Must be stored in a moisture-free zone.