



TECHNICAL DATA SHEET

BENTONITE OCMA

BENT-OCMA

General Properties

Bentonite OCMA from MAYN is a premium grade viscofier that meets various drilling requirements. It is treated with soda ash by adding 4-6 % on wet to the bentonite to activate it. It builds a primary filter cake, aids filtrate reduction and suspends drilled solids, and has the advantages of helping to lubricate and cool drilling bits, suspend cuttings, increase viscosity of fluid, reduce fluid loss, reduce soil permeability, minimize formation damage, stabilize borehole walls. It is used in WDF, HDD, piling, diaphragm, and tunneling

Chemical Composition

IUPAC Name	Chemical Formula	Weight (%)
Silicon dioxide	SiO ₂	55.0%
Aluminum oxide	Al ₂ O ₃	24.0%
Iron (III) oxide	Fe ₂ O ₃	8.00%
Magnesium oxide	MgO	3.00%
Calcium oxide	CaO	2.50%
Sodium oxide	Na ₂ O	2.00%
Titanium dioxide	TiO ₂	1.25%
Potassium oxide	K ₂ O	0.60%
Sulfur trioxide	SO ₃	0.30%
Phosphorus pentoxide	P ₂ O ₅	0.11%
Manganese (II) oxide	MnO	0.06%
Chromium (III) oxide	Cr ₂ O ₃	0.01%

Physical Properties	
Appearance	light tan / green
Status	powder
Particles > 150 micron (mesh 100)	≥ 98%
Filtrate volume @6.4% Bentonite	≤ 15 ml
PH	9 – 10.8
Sand content	≤ 1%
Moisture content	9 – 12 %
Yield Point (YP) / plastic viscosity (PV) Ratio	≤ 6
Suspension Properties 22.4 g Bentonite / 350 ml H ₂ O Dial Reading @600/300	≥ 30 CP

Type of Packing
Paper bags 25 kg
Jumbo bag 1 ton

Bentonite OCMA is a prepared natural product. All data are approximate values and do not represent any warranty

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MAYN

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