



Data Sheet

**BENTONITE MD
OPTINITE**

DESCRIPTION :-

Activated Calcium Bentonite with a high cation exchange capacity

CHEMICAL ANALYSIS % :-

Na ₂ O	:	2,5%	CaO	:	1,9%
Fe ₂ O ₃	:	4,4%	SiO ₂	:	59,0%
LOI	:	8,9%	MgO	:	4,2%
Soluble alkalis	:	0,4%	Al ₂ O ₃	:	18,8%
	:			:	

PHYSICAL PROPERTIES :-

Grading (wet screen)	:	>95% passing 150 micron (100#)
Viscosity	:	25-30 immediate in 5% suspension
Swelling volume	:	22-26 (ml/2g)
pH	:	10-10,5
Cation exchange	:	80-90 meq/100g
Moisture	:	6-10%
Hardness	:	3.0 (Moh)
Packing	:	1mt/40kg bags
Mineralogy	:	>85% Montmorillonite

USES :-

Foundry sands, stockfeed, ceramics, pelletising, bonding agent, civil engineering

Completed :	T Carolin	Approved By _____	Approved :	S. Gregory
Title:	Quality Manager		Title :	Director
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