Bentonite



Bentonite is a clay consisting mainly of smectite minerals, commonly formed by decomposition of volcanic ash or tuff, or sometimes from other igneous or sedimentary rocks. Bentonite is a very plastic clay that shrinks (or swells) markedly in response to the removal (or addition) of water.

Element	SiO ₂	AL_2O_3	BaO	CaO	Fe ₂ O ₃	K ₂ O	MgO	MnO	Na ₂ O	P_2O_5	SO ₃	TiO ₂	LOI
Unit	%	%	%	%	%	%	%	%	%	%	%	%	%
DL	0/05	0/05	0/05	0/05	0/05	0/05	0/05	0/05	0/05	0/05	0/05	0/05	0/01

Element	1h	2h	4h	24h	Moisture	swelling index		
Unit	%	%	%	%	%	%		
DL	0/1	0/1	0/1	0/1	0/1	0/1		
Method	WA	WA	WA	WA	WA	WA		
-	-	-	-	-				
Water Absorbtion	540	610	680	760	5/88	30		