

Product Data Sheet: Bentonite

Physical Analysis

Description	Ind	Max
Water of Plasticity (%)	6.89	-
Dry MOR (kg/cm ²)	48.5	-
Shrinkage (%)	10.42	7.5
Loss on Ignition (%)	7.04	2.68
Fired MOR (kg/cm ²)	430	-
Water Absorption	1.96	-
L*	81.08	76.47
a*	-0.07	1.08
b*	9.24	9.6
Temperature (°C)	1206/1216	-
Cycle (min.)	49	-

Chemical Analysis

SiO₂ %	69.14
Al₂O₃ %	13.41
Fe₂O₃ (l_yFet)	0.91
CaO %	0.97
MgO %	2.13
Na₂O %	2.51
K₂O %	0.05
K₂O	0.05
Loss on ignition %*	10.42
SiO₂ %	75.5
Al₂O₃ %	13.6
Fe₂O₃ %	0.95
CaO %	0.48
MgO %	0.41
Na₂O %	2.36
K₂O %	0.3
Loss on ignition %	5.5

Bentonite Ocma Analysis

Requirements	Unit	Result
Viscometer dial at 600 rpm	-	30.66
Water loss	ml	13.15
Moisture	%	8.10
Residue on ASTM Sieve No:100 (dry method)	W.t%	Max 2
Residue on ASTM Sieve No:200 (dry method)	W.t%	Max 2.5
Ratio	-	Max 6