



## MML ANALYTICAL LABORATORY

NH-8, BYE PASS, AJMER ROAD, VILLAGE-RAMPURA MEWATION, BEAWER-305901,  
RAJASTHAN, INDIA

### CHEMICAL SPECIFICATIONS FOR BALL CLAY

Oxides	BALL CLAY	
	MOKHA	DEH
LOI	11% +/- 1%	9% +/- 1%
SiO <sub>2</sub>	54% +/- 2%	61% +/- 2%
Al <sub>2</sub> O <sub>3</sub>	27% +/- 2%	23% +/- 2%
Fe <sub>2</sub> O <sub>3</sub>	2.50% +/- 0.50%	2.50% +/- 0.50%
Na <sub>2</sub> O	< 1.50%	< 1.50%
K <sub>2</sub> O	< 0.50%	< 0.50%
CaO	< 0.25%	< 0.25%
MgO	< 0.25%	< 0.25%
TiO <sub>2</sub>	< 2.00%	< 1.50%
Shrinkage @ 1220 C°	11% +/- 1%	8% +/- 1%
Water of Plasticity	33	29
<b>BEFORE FIRING</b>		
Dry MOR Kg/sqcm	13	5.76
Green MOR Kg/sqcm	71	13.96
<b>AFTER FIRING</b>		
Shrinkage	9.91%	7.60%
Water Absorption	2.9	10.9
MOR Kg/sqcm	450	275

