

# BALL CLAY, OM4

SiO <sub>2</sub>	55.2%
Al <sub>2</sub> O <sub>3</sub>	27.9
Fe <sub>2</sub> O <sub>3</sub>	1.1
TiO <sub>2</sub>	1.2
MgO	0.4
CaO	0.3
K <sub>2</sub> O	1.0
Na <sub>2</sub> O	0.3
P <sub>2</sub> O <sub>5</sub>	
SO <sub>3</sub>	
L.O.I.	12.6
P.C.E.	Cone 32

**Geographical Source:**

Western Kentucky

**Geological Source:**

Sedimentary clay and volcanic ash material deposited by water; formed primarily during middle Eocene epoch approximately 46 million years ago

**Characteristics:**

Ball clays are fine-grained highly plastic clays containing a fair amount of carbonaceous organic matter. Ball clays are generally used in quantities of no more than 25% of the total constituents of a clay body due to their high shrinkage rates and levels of impurities.

**Total Cone 10 Shrinkage Rate: 16.5%**