

FIRECLAY, LINCOLN 60

SiO ₂	52.29%
Al ₂ O ₃	32.55
Fe ₂ O ₃	2.19
MgO	0.55
CaO	0.19
K ₂ O	0.76
Na ₂ O	0.33
L.O.I.	11.14
P.C.E.	30 – 31.5

Geological Source:

Sedimentary deposits in deep fresh water.

Ancient swamps metamorphosed into layers of coal and clay.

Characteristics:

Fire clays have a coarse particle size and a high resistance to heat with a minimum firing range of 2700°F. They are the backbone of stoneware claybodies.

Fireclays contain at least three primary minerals:

1. Up to 50% coarse grained crystalline quartz or sandstone
2. 15% or more fine-grained kaolinite or livesite, contributing to plasticity.
3. 30% or more hydrous mica