

FIRECLAY, GREENSTRIPE

SiO ₂	54.11%
Al ₂ O ₃	27.99
Fe ₂ O ₃	3.58
K ₂ O	1.60
Na ₂ O	1.60
L.O.I.	11.12
P.C.E.	31-32

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