

KAOLIN, GROLLEG

SiO ₂	48.0%
Al ₂ O ₃	37.0
Fe ₂ O ₃	0.7 – 0.8
TiO ₂	0.02
MgO	0.3
CaO	0.06
K ₂ O	1.85 – 2.05
Na ₂ O	0.1
L.O.I.	12.2

Geographical Source:

South West England

Geological Source:

Hydrothermal: steam, boron, fluorine and tin vapors attacking soda feldspar in granites and pegmatites over 250 million years ago.

Characteristics:

Kaolins are white-burning clays composed predominantly of the minerals kaolinite or livesite with melting points above 3100°F. Grolleg kaolin is a primary or residual kaolin but is as fine grained and plastic as secondary, or sedimentary kaolins.. Due to the lack of water transport in primary kaolin deposits, Grolleg kaolin is extremely pure and fires very white. It has good hardness, low shrinkage and is very expensive.

Total Cone 9 Shrinkage: 15%