



## **KAOLIN – TYPICAL PROPERTIES**

Kentucky-Tennessee Clay Company- Sandersville, Georgia

**GRADE OF CLAY**  
**SHIPPING POINT**

**Sapphire \***  
**Sandersville, GA**

### **PHYSICAL PROPERTIES:**

pH	5.0
M.B.I., meq/100g	9.5 ± 1.0
Specific Surface Area, sq-m/g	22.0
Dry M.O.R., psi*	650
Dry M.O.R., MNm <sup>-2</sup> *	4.6

### **Particle Size:**

+325 Mesh, % Retained	0.5
% Finer than 20 microns	99
10	97
5	91
2	74
1	62
0.5	48

### **CHEMICAL ANALYSIS:**

% SiO <sub>2</sub>	46.3
Al <sub>2</sub> O <sub>3</sub>	38.2
Fe <sub>2</sub> O <sub>3</sub>	0.7
TiO <sub>2</sub>	1.4
CaO	0.2
MgO	0.2
K <sub>2</sub> O	0.2
Na <sub>2</sub> O	0.1
L.O.I.	13.4
Carbon	0.08
Sulfur	0.10

\*Extruded 50/50 Clay/Flint

Sapphire is a fine-grained secondary kaolin known for its superior green strength and fired color. Applications include wall and floor tile, dinnerware and artware.