

Product Clay UA

TAI 30

Chemical composition

Oxides	Raw (%)	Fired (%)	Range (%)
SiO ₂	64.50	68.95	
TiO ₂	1.41	1.51	
Al ₂ O ₃	23.10	24.70	± 0.5
CaO	0.18	0.19	
Fe ₂ O ₃	0.87	1.94	± 0.1
MgO	0.55	0.59	
K ₂ O	2.43	2.60	
Na ₂ O	0.50	0.53	
Total without LOI	94.54	100.00	
L.O.I.	6.24		
Total	99.78		

Sulphur 0.06 %
Carbon 0.11 %

Computed mineralogical comp.

Minerals	%	L.O.I.
Quarz	28.99	
Kaolin	36.16	5.05
Illite & Hydromica	26.05	1.12
Albite	4.23	
Hematite	0.81	
Rutile	1.41	
Anorthite	0.90	
Talc	1.45	0.07
Total	99.99	6.24

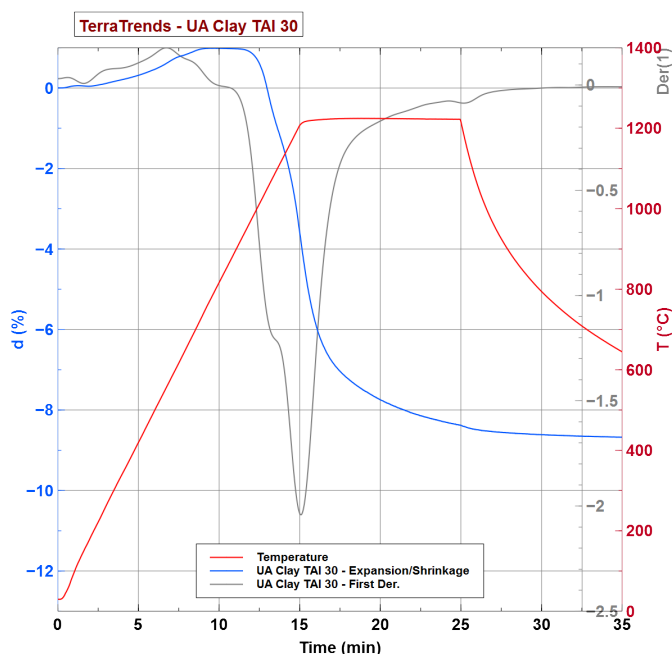
pH

8.54

Specific surface (m²/gr)

95

Firing



Firing temperature	1220° C
Time at max temperature	10 min
Total shrinkage	7.15 %
Water absorption	0.87 %