

Product Clay UA

TAI 13 - TAI 32 - TAI 34

Chemical composition

Oxides	Raw (%)	Fired (%)	Range (%)
SiO ₂	67.02	72.20	
TiO ₂	1.06	1.14	
Al ₂ O ₃	20.50	22.09	± 0.5
CaO	0.51	0.55	
Fe ₂ O ₃	0.90	0.97	± 0.1
MgO	0.55	0.59	
K ₂ O	2.05	2.21	
Na ₂ O	0.23	0.25	
Total without LOI	92.82	100.00	
L.O.I.	6.78		
Total	99.60		

Sulphur 0.10 %
Carbon 0.11 %

Computed mineralogical comp.

Minerals	%	L.O.I.
Quarz	34.60	
Kaolin	34.75	4.85
Illite & Hydromica	24.50	1.93
Albite	1.95	
Hematite	0.55	
Rutile	1.07	
Anorthite	2.55	
Talc	0.03	
Total	100.00	6.78

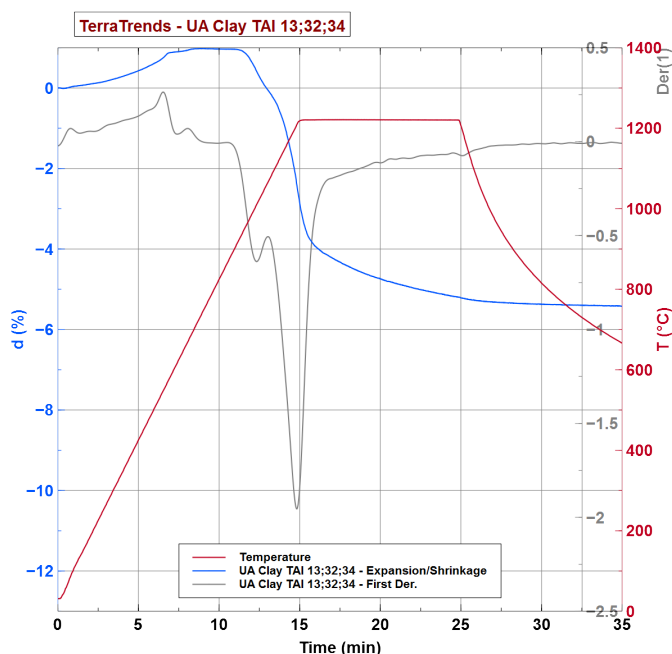
pH

8.78

Specific surface (m²/gr)

90

Firing



Firing temperature	1220° C
Time at max temperature	10 min
Total shrinkage	5.50 %
Water absorption	4.03 %