

Product Clay UA

TAI 22

Chemical composition

Oxides	Raw (%)	Fired (%)	Range (%)
SiO ₂	58.75	64.44	
TiO ₂	1.22	1.34	
Al ₂ O ₃	25.80	28.30	± 0.5
CaO	0.55	0.60	
Fe ₂ O ₃	1.63	0.79	± 0.2
MgO	0.60	0.66	
K ₂ O	2.30	2.52	
Na ₂ O	0.32	0.35	
Total without LOI	91.17	100.00	
L.O.I.	8.55		
Total	99.72		

Sulphur 0.01 %
Carbon 0.13 %

Computed mineralogical comp.

Minerals	%	L.O.I.
Quarz	18.78	
Kaolin	45.88	6.41
Illite & Hydromica	27.42	2.14
Albite	2.72	
Hematite	1.24	
Rutile	1.22	
Anorthite	2.74	
Talc	0.01	
Total	100.00	8.55

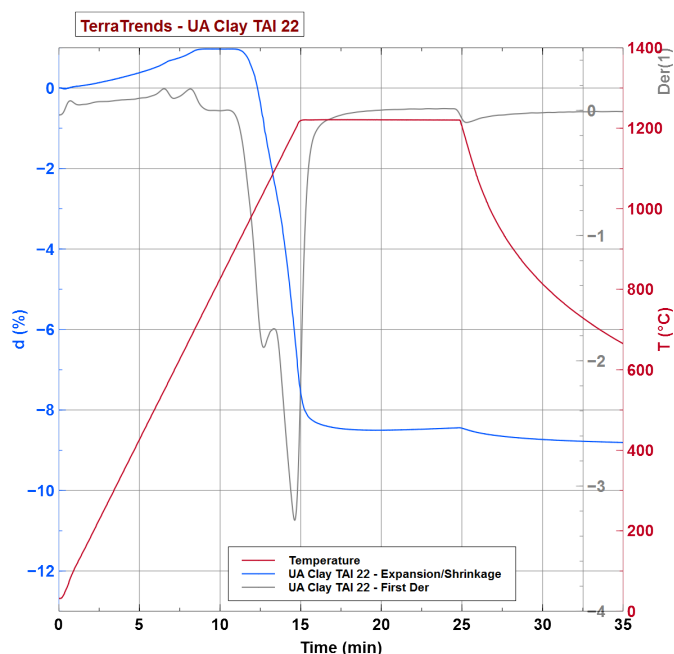
pH

10.27

Specific surface (m²/gr)

118

Firing



Firing temperature	1220° C
Time at max temperature	10 min
Total shrinkage	8.34 %
Water absorption	0.00 %