

## Ball Clay for Engobe

## بال کلی انگوب

### Chemical Analysis

Code	ACE	
<b>Type</b>	<b>Ball clay</b>	
SiO <sub>2</sub>	61 – 62	
AL <sub>2</sub> O <sub>3</sub>	24 – 25	
Fe <sub>2</sub> O <sub>3</sub>	0.65 – 0.75	
TiO <sub>2</sub>	1.2 – 1.3	
Na <sub>2</sub> O	0.2 – 0.3	
K <sub>2</sub> O	0.4 – 0.5	
CaO	0.1 – 0.2	
MgO	0.3 – 0.4	
SO <sub>3</sub>	0.3 ± 0.05	
L.O.I	10 ± 0.5	
<b>Physical &amp; Thermal Properties at</b>	<b>1175°C/ 60'</b>	
<b>Strength (kg/cm2)</b>	Green	10 – 12
	Dried	19 – 24
	Fired	190 – 220
<b>Fired Shrinkage</b>	1.5 – 1.7	
<b>% Water Absorption</b>	11 – 12.5	
<b>Coefficient of thermal Expansion at 500°C (α×10<sup>-7</sup> °C<sup>-1</sup>)</b>	67	
<b>Color</b>	L = 87 ± 1 a = 1.8 ± 0.1 b = 8.5 ± 0.5	
<b>Application</b>	Engobe	
<b>Sizing</b>	Briquette	
<b>Packing</b>	Big bag	
<b>Delivery Place</b>	Tabas Robot e Khan	

\*Samples are tested under company laboratory condition.