

**WALKER**  
Ceramics



**Feeneys**  
Clay

*Pottery Clays, Glazes and Colours*

## Superior White Porcelain

### AA10

**Description:** A snow white translucent very plastic porcelain for **throwing, hand building, RAM pressing and casting.**

**Mesh :** 120# Filter pressed

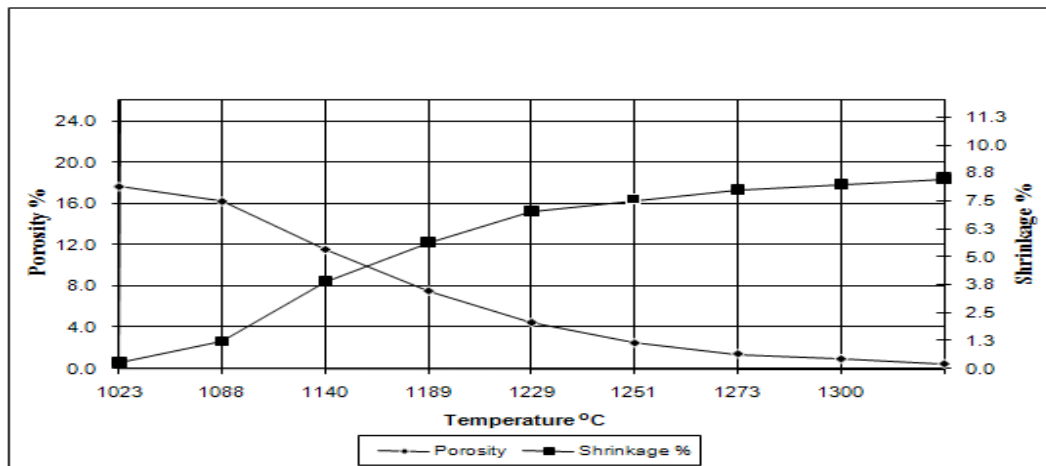
#### Recommended Firing

Bisque	Glaze
1060° C Orton Cone 04	1280° C to 1300° C Orton Cone 9 to 10

#### Coefficient of Expansion

Sample fired at 1285° C, Orton cone 9. Linear expansion is 0.296% at 500° C and coefficient is  $64 \times 10^{-7}$  from 200° C to 500° C.

Analysis		Shrinkage (fired)			
SiO <sub>2</sub>	70.48%	From wet to dry	3.71%	± 0.5%	
Al <sub>2</sub> O <sub>3</sub>	19.39%	From dry to bisque	0.25%	± 0.2%	
TiO <sub>2</sub>	0.44%	From bisque to glaze	8.23%	± 0.5% at 1280° C Orton Cone 9	
Fe <sub>2</sub> O <sub>3</sub>	0.38%				
CaO	0.05%				
MgO	0.56%	<b>Water absorption</b>			
Na <sub>2</sub> O	1.20%	Biscuit	1000° C	Orton Cone 06	17.7%
K <sub>2</sub> O	1.36%	Fired	1220° C	Orton Cone 6	4.50%
L.O.I.	6.15%	Fired	1250° C	Orton Cone 7	0%



#### Presentation

Fully de-aired 10 kilogram block wrapped in recyclable polythene bags.

Moisture content of standard clay is 22% to 24%, PR 3 to 4.

Other moisture contents are available on special request using our Penetrometer Readings (PR) outlined below.

#### Preparation

Crude clays are blunged, sieved and passed over rare earth magnets, then stored in constantly agitated farm tanks. Final body blend is made with millimetre accuracy with powdered raw materials being added and agitated in. With this manufacturing method we can ensure reproducible recipe formulation to within 0.1%. Final body in liquid form is sieved and passed over rare earth magnets once again and then filter pressed. Filter pressed clays are then stock piled in cake form and allowed to age. Extruding takes place through a de-airing pugmill and clay is sealed airtight in polythene bags which can be stored indefinitely.