

**WALKER**  
Ceramics



**Feeneys**  
**Clay**

*Pottery Clays, Glazes and Colours*

## Imperial Porcelain 4317 AA1

**Description**

A world class snow white translucent ball milled very plastic porcelain for **throwing, hand building and casting.**

**Mesh** : 120# Ball Milled

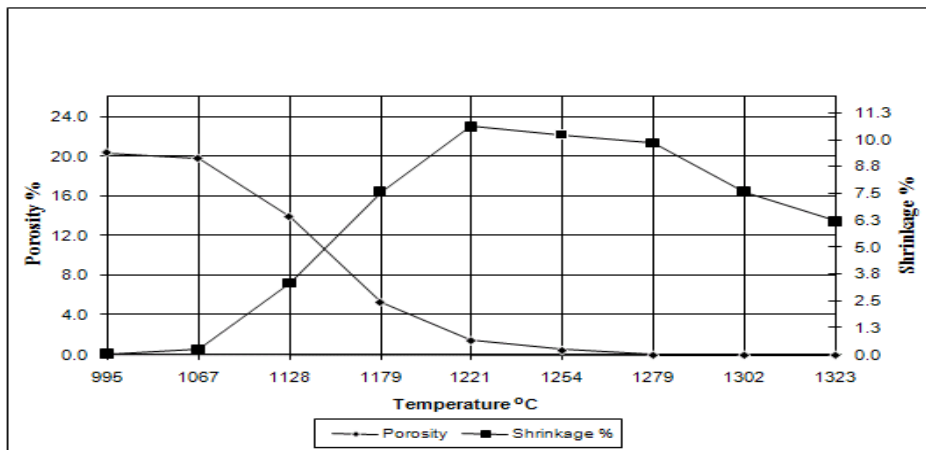
Recommended Firing

Bisque	Glaze
<b>Bisque</b>	<b>Glaze</b>
1000° C to 1060° C Orton Cone 06 to 04	1220° C to 1300° C Orton Cone 6 to 10

**Coefficient of Expansion**

Sample fired at 1285° C, Orton cone 9. Linear expansion is 0.337% at 500° C and coefficient is 74.33 x 10<sup>-7</sup> from 200° C to 500° C.

Chemical Analysis		Shrinkage (fired)			
SiO <sub>2</sub>	71.12%	From wet to dry	3.57%	± 0.5%	
Al <sub>2</sub> O <sub>3</sub>	18.32%	From dry to bisque	0.13%	± 0.2%	
TiO <sub>2</sub>	0.40%	From bisque to glaze	10.34%	± 0.5% at 1280° C	
Fe <sub>2</sub> O <sub>3</sub>	0.40%				
CaO	0.19%				
MgO	0.70%	Water absorption			
Na <sub>2</sub> O	1.15%	Biscuit	1000° C	Orton Cone 06	20.44%
K <sub>2</sub> O	1.83%	Fired	1220° C	Orton Cone 6	less than 2%
L.O.I.	6.20%	Fired	1250° C	Orton Cone 7	0%



**Glazes**

Functional and decorative glazes are available in the Walkers Stoneware glaze range. Compatible clear glazes are WSG30 or WSG31 (zinc free). If making your own glazes contact us for technical assistance if required.

**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.