

## Imperial Porcelain 4317 AB1

### Description

A world class snow white translucent ball milled very plastic porcelain for **casting**.

**Mesh** : ~120# Ball Milled

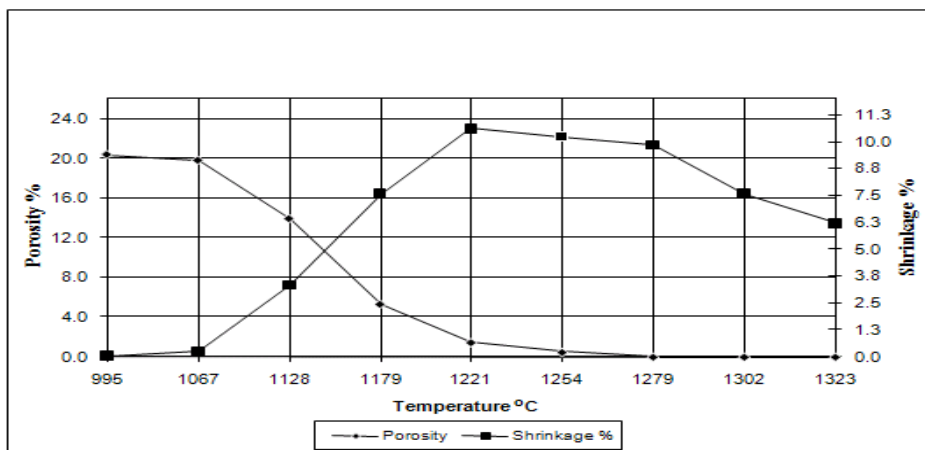
Recommended Firing

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  $74.33 \times 10^{-7}$  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 Cesco Stoneware glaze range. Compatible clear glazes are 4914, 6031, 6250 & 6327.

### Presentation

Casting slip in 5L Jerry Can or 10L bucket ready for casting.