

Imperial Porcelain 4317 AC1

Description

A world class snow white translucent porcelain body for **casting**.

Mesh : ~120#

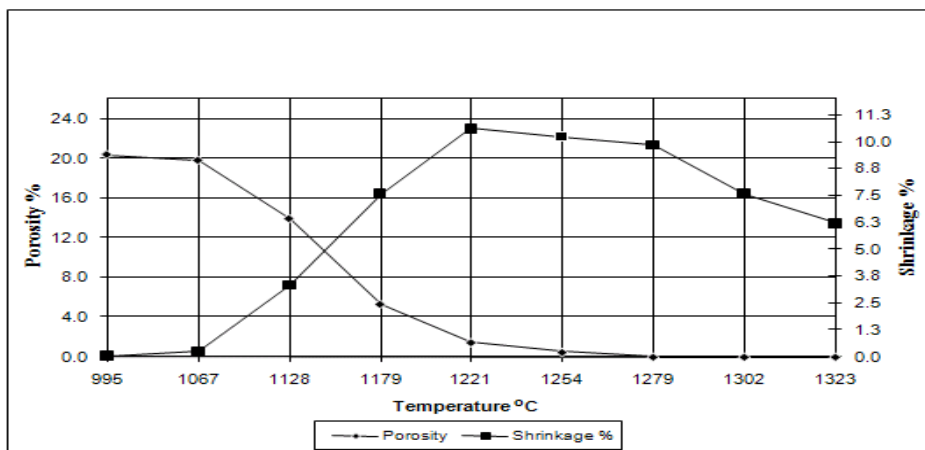
Recommended Firing

Bisque	Glaze
Bisque	Glaze
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 10⁻⁷ from 200° C to 500° C.

Chemical Analysis		Shrinkage (fired)			
SiO ₂	71.12%	From wet to dry	3.57%	± 0.5%	
Al ₂ O ₃	18.32%	From dry to bisque	0.13%	± 0.2%	
TiO ₂	0.40%	From bisque to glaze	10.34%	± 0.5% at 1280° C	
Fe ₂ O ₃	0.40%				
CaO	0.19%				
MgO	0.70%	Water absorption			
Na ₂ O	1.15%	Biscuit	1000° C	Orton Cone 06	20.44%
K ₂ 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 Powder in a 25kg bag.