



CLAYMAN

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PRODUCT INFORMATION

1067 – PB103 FINE WHITE STONEWARE

Description

White firing stoneware ideal for functional throwing & pressing extending also to sculpture and slab work.

Mesh : 120#

Recommended Firing

Bisque	Glaze
1000° C to 1060° C Orton Cone 06 to 04	1260° C to 1300° C Orton Cone 8 to 10
at 150° C per hour	at 150° C per hour

Coefficient of Expansion

Sample fired at 1280° C, Orton cone 9. Linear expansion is 0.327% at 500° C and coefficient is 69.0 x 10⁻⁷ from 200° C to 500° C.

Chemical Analysis

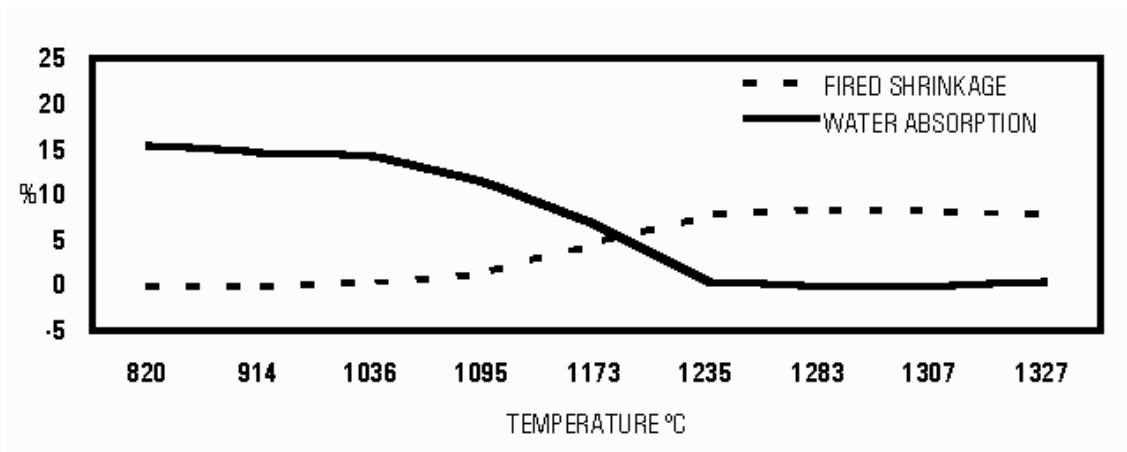
SiO ²	72.63%
Al ² O ³	21.53%
TiO ²	0.89%
Fe ² O ³	0.59%
CaO	1.49%
MgO	0.55%
Na ² O	0.50%

Shrinkage (fired)

From wet to dry	3.5%	± 0.5%
From dry to bisque	0.4%	± 0.2%
From bisque to glaze	8.0%	± 0.5%



Water			
Biscuit	1000°C	Orton Cone 06	14.5%
Fired	1225°C	Orton Cone 6	less than 2%
Fired	1260°C	Orton Cone 8	0%



Casting Slip

To make a 37.3litre batch of casting slip the following recipe is suggested:

60kg - 1067 - PB103
 5.3 litres - Water
 400g - 5214 Sodium Silicate 100TW
 20g - 5224 Sodium Dispex

Litre Weight – 1740-1750g per litre