

Superior White Porcelain

AC10

Description: A snow white translucent porcelain for **casting**.

Mesh : ~120#

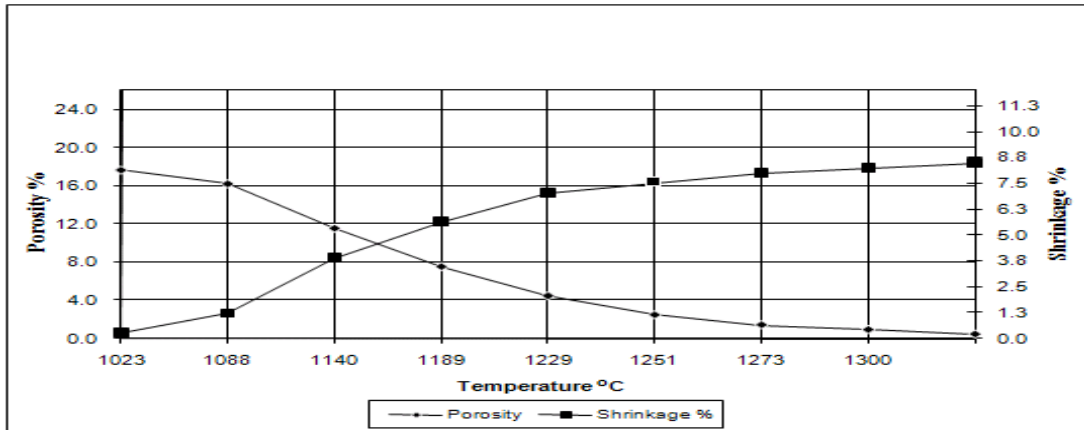
Recommended Firing

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 64×10^{-7} from 200° C to 500° C.

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