

White Midfire

Code: AC175

Description

A superb super white midfire body for casting with precise thermal expansion for accurate glaze fit. This body is designed to be used as a vitreous midfire body at 1200-1220oC.

Mesh : -80#

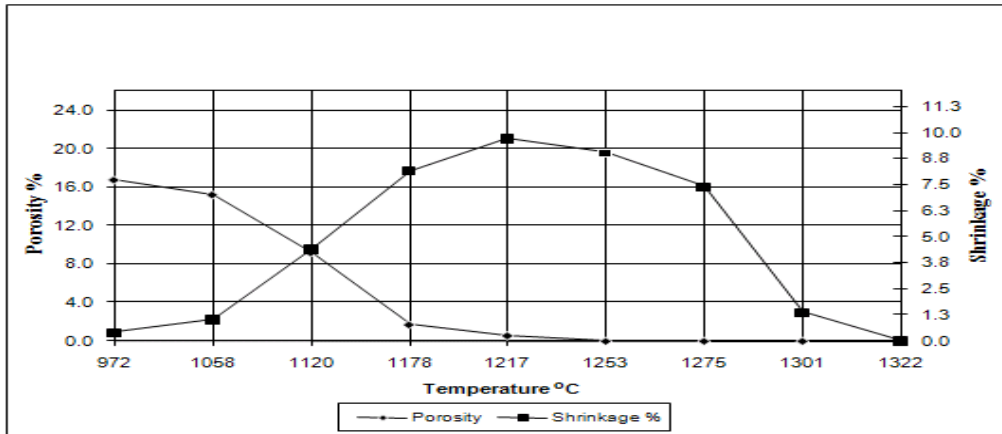
Recommended Firing

Bisque	Glaze Middle Fire
1000° C to 1060° C	1200° C to 1220° C

Coefficient of Expansion

Sample fired at 1100° C, Orton cone 03. Linear expansion is 0.290% at 500° C and coefficient is 63.66 x 10⁻⁷ from 200° C to 500° C

Chemical Analysis		Shrinkage (fired)		
SiO ₂	64.59%	Wet to dry	2.3%	± 0.5%
Al ₂ O ₃	21.18%	Dry to bisque	0.2%	± 0.2%
TiO ₂	0.37%	Bisque to glaze	1.0%	± 0.5% at 1100° C
Fe ₂ O ₃	0.40%	Bisque to glaze	5.0%	± 0.5% at 1250° C
CaO	0.86%			
MgO	0.98%	Water absorption		
Na ₂ O	1.00%	Biscuit	1000° C	Orton Cone 06 14%
K ₂ O	3.87%	Fired	1225° C	Orton Cone 6 less than 2%
L.O.I.	6.76%	Fired	1250° C	Orton Cone 7 0%



Glazes

Use Cesco standard clear lead free glaze for White Midfire.- 6250

Presentation

Casting Powder in a 25kg bag.