

# White Midfire

## Code: AB175

**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#

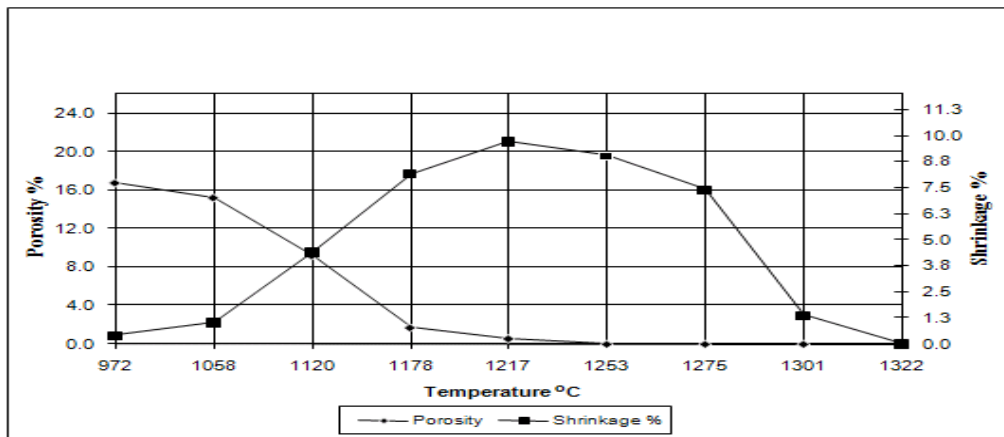
**Recommended Firing**

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<sup>-7</sup> from 200° C to 500° C

Chemical Analysis		Shrinkage (fired)		
SiO <sub>2</sub>	64.59%	Wet to dry	2.3%	± 0.5%
Al <sub>2</sub> O <sub>3</sub>	21.18%	Dry to bisque	0.2%	± 0.2%
TiO <sub>2</sub>	0.37%	Bisque to glaze	1.0%	± 0.5% at 1100° C
Fe <sub>2</sub> O <sub>3</sub>	0.40%	Bisque to glaze	5.0%	± 0.5% at 1250° C
CaO	0.86%			
MgO	0.98%	<b>Water absorption</b>		
Na <sub>2</sub> O	1.00%	Biscuit	1000° C	Orton Cone 06
				14%
K <sub>2</sub> 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 slip in 5L Jerry Can or 10L bucket ready for casting.