White Midfire

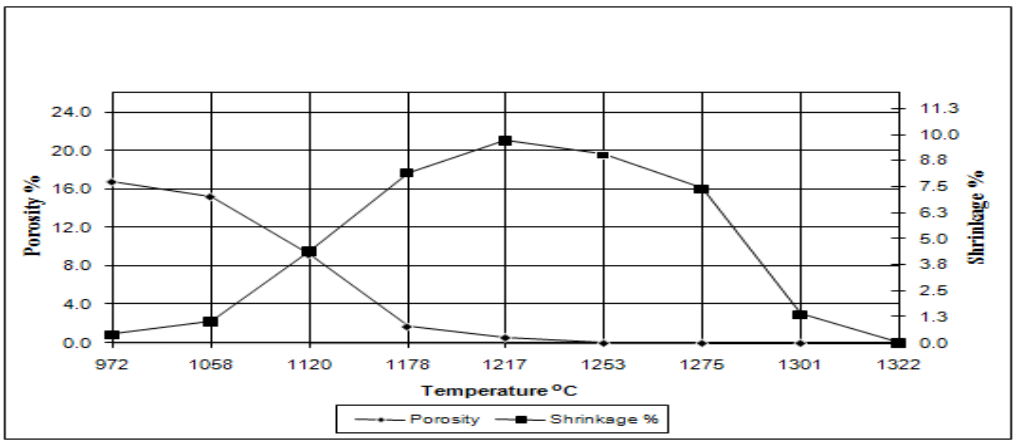
Code: AA175

Description
A superb super white midfire body for throwing and pressing 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)			
SiO2	64.59%	Wet to dry	2.3%	± 0.5%	
Al2O3	21.18%	Dry to bisque	0.2%	± 0.2%	
TiO2	0.37%	Bisque to glaze	1.0%	± 0.5% at 1100° C	
Fe2O3	0.40%	Bisque to glaze	5.0%	± 0.5% at 1250° C	
CaO	0.86%				
MgO	0.98%	**Water absorption**			
Na2O	1.00%	Biscuit	1000° C	Orton Cone 06	14%
K2O	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
Fully de-aired 10 kilogram block wrapped in recyclable polythene bags.
Moisture content of standard clay is 22% to 24%, PR 3 to 4.

Preparation
Crude clays are blunged, sieved and passed over rare earth magnets, then stored in constantly agitated farm tanks. Final body blend is made with absolute accuracy with powdered raw materials being added and agitated in. With this manufacturing method we can ensure reproducible recipe formulation to within 0.1%. Final body in liquid form is sieved and passed over rare earth magnets once again and then filter pressed. Filter pressed clays are then stock piled in cake form and allowed to age. Extruding takes place through a de-airing pugmill and clay is sealed airtight in polythene bags which can be stored indefinitely.

Victoria 2/21 Research Drive Croydon South 3136 Phone 03 87616322 Fax 03 87616344 **Email** sales@walkerceramics.com.au
ACT 289 Canberra Avenue Fyshwick 2609 Telephone 02 6280 5700 Fax 02 6280 5705 **Email** act@walkerceramics.com.au
Queensland Feeneys Clay 55 Tiger St West Ipswich 4305 Phone 03 87616322 Fax 87616344 Email sales@walkerceramics.com.au
TOLL FREE 1800 692529 OR 1800 OZCLAY
Ozclay Pty Ltd trading as Walker Ceramics Australia, Feeneys Clay and Cesco ABN 30 456 822 810
Website www.walkerceramics.com.au