WALKER Ceramics — Feeneys Clay

*Pottery Clays, Glazes and Colours*

# White Midfire

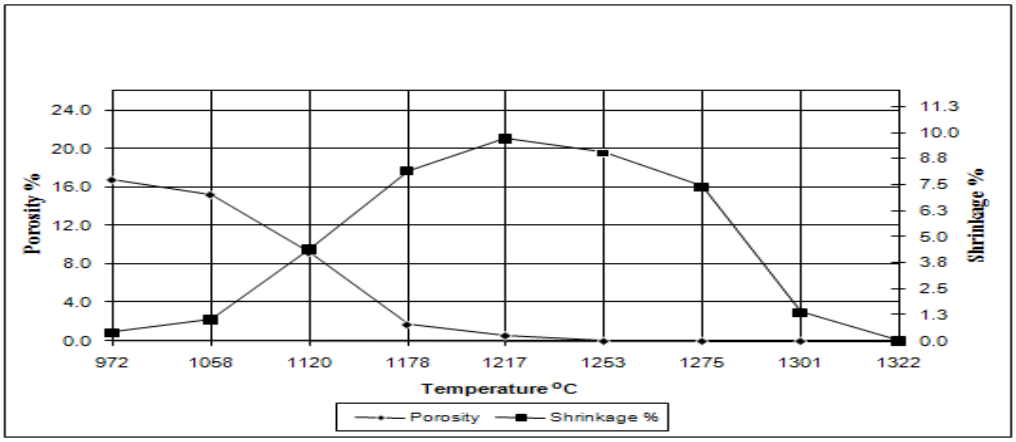
# Code: AA175

**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 our standard clear lead free glaze for White Midfire. EN/EO/EL 250

**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.
Other moisture contents are available on special request using our Penetrometer Readings (PR) outlined below.

**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 millimetre 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.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