

# White Clay Bodies – Cone 04

## White Earthenware

BETTY WOODMAN

Kaolin	-	100
Ball	-	100
Pine Lake	-	100
Wollastonite	-	25
Fine Grog	-	25
Talc	-	10

<b>Base White Slip</b> (Cone 03)	
Frit 3124 (Ferro)	6.54 %
Cedar Heights Goldart	18.69
Kentucky Stone	74.77
	<u>100.00 %</u>

## WHITE CLAY BODY cone 04

B. WOODMAN

Lincoln Fireclay	50.0
Tennessee Ball Clay	50.0
E.P.K.	50.0
Wollastonite	12.5
Fine Grog or Sand	12.5
Talc	5.0
V-gum	.75
or	
Bentonite	3.0
Nylon Fibers	handful

## White Clay Body (Cone 06-2)

A.P. Green Fireclay	30%
Kaolin (6 Tile Clay)	10
Kentucky Ball Clay (OM 4)	20
Pyrophyllite	10
Spodumene	20
Talc	10
	<u>100%</u>

## Cone 06 Whiteware

Ball Clay	50
Talc	50
	<u>100%</u>

## White Earthenware (Donna Polseno)

AP Green	100
OM4	30
Talc	30

## Porcelain Casting Body (Cone 014-04)

Frit 3134 (Ferro)	394 grams
Tennessee Ball Clay #1	320
	<u>714 grams</u>

## Clay Body (Cone 04)

Talc	14.5
Whiting	7.2
Kentucky Ball Clay (OM 4)	54.4
Silica (Flint)	23.9
	<u>100.0%</u>

## Low-Fire Clay Bodies

### #1 LOW FIRE WHITE (Cone 06-04)

Texas Talc	50 %
Custer Feldspar	10
Thomas Ball Clay	40
	<u>100 %</u>

### #2 LOW FIRE WHITE (Cone 06-04)

Texas Talc	60 %
Wollastonite	4
Tennessee No. 1 Ball Clay	36
	<u>100 %</u>

This is the clay body used in the tests presented here on raw properties, handling properties and color response. Texas Talc and Nytal HR 100 were substituted on a one-to-one basis by weight.

### #3 LOW FIRE RED (Cone 06-04)

Texas Talc	20 %
Cedar Heights Redart	60
Hawthorne Bond Fireclay (35x)	20
	<u>100 %</u>

## Mineral Analysis

### TEXAS TALC

Talc	90 %
Predominately limestone	10 %
Source: The American Talc Company, Van Horn, Texas	

### NYTAL HR 100

Tremolite	40 %
Talc	30 %
Serpentine	20 %
Anthophyllite	10 %