

White Clay Bodies – Cone 04

White Earthenware

BETTY WOODHORN

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

WHITE CLAY BODY cone 04

B. WOODHORN

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 Earthenware

(Donna Polson)

AP Green	100
OM 4	30
Talc	30

Base White Slip	(Cone 03)
Frit 3124 (Ferro)	6.54%
Cedar Heights Gildart	18.69
Kentucky Stone	74.77
	100.00%

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
	100%

Cone 06 Whiteware

Ball Clay	50
Talc	50
	100%

Clay Body

(Cone 04)	
Talc	14.5
Whiting	7.2
Kentucky Ball Clay (OM 4)	54.4
Silica (Flint)	23.9
	100.0%

Porcelain Casting Body

(Cone 04-04)	
Frit 3134 (Ferro)	394 grams
Tennessee Ball Clay #1.....	320
	714 grams

Mineral Analysis

TEXAS TALC

Talc	90%
Predominately limestone	10%
Cedar Heights Redart	60
Hawthorne Bond Fireclay (35%)	20
	100%

Source: The American Talc Company, Van Horn, Texas

NYTAL HR 100

Tremolite	40%
Talc	30%
Serpentine	20%
Anthophyllite	10%
	100%

Low-Fire Clay Bodies

#1 LOW FIRE WHITE

(Cone 06-04)	
Texas Talc	50%
Custer Felspar	10
Thomas Ball Clay	40
	100%

#2 LOW FIRE WHITE

(Cone 06-04)	
Texas Talc	60%
Wollastonite	4
Tennessee No. 1 Ball Clay	36
	100%

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.