

<p>Cone 6 White casting</p> <p>Flint 23 Velvacast kaolin 15 OM4 ballclay 26 Neph. Syenite 21 Custer feldspar 15.</p> <p>Add this to about 37% water (% of dry weight material) and up to 0.45% Darvan 7. Specific gravity of around 1.78 works well for us.</p> <p>From: Dan / Joanne Taylor</p>	<p>Adapted Michael Corney's white casting cone 6</p> <p>10,000 gm batch: <u>gms</u> water 3,500 soda ash 10 sodium silicate 58 keep mixing: OM4 ball clay 2500 nepheline syenite 1250 Custer feldspar 2500 flint 1750 EPK 2000 mix slowly, sieve after mixing. Grey-white in green state, slightly off-white fired to temperature. Bob Bruch</p>	<p>Cone 6 Porcelain Casting</p> <p>OM4 Ball 12 EPK 20 Tile 6 24 Custer Spar 16 Frit 3110 9 Flint 16</p> <p>To deflocculate: Sodiun Silicate 0.20 Calgon 0.10</p> <p>NOTE: this might make a good throwing body with additions of bentonite or a bit more ball clay and a little less kaolin</p>
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*Recipes from James Chappell's book The Potter's Complete Book of Clay and Glazes

Subject: Re: cone 6 clay
 From: Peter Pinnell

I don't know a distinct recipe, just some general guidelines. For a cone 6 light body you need about 20-25% flux with the rest being clay or a clay/filler combination. Neph sy can work but it will tend to deflocculate the clay unless it is counteracted with either Epsom salts or calcium chloride. Soda spar or G-200 will also work, but are not as active so the clay will tend to be a bit more porous. You can also add just a small amount of talc and that will really tighten up the clay, but at a slightly heightened risk of cristobalite. The strongest spar/talc eutectic is at a ratio of five or six parts spar to one part talc.

Fire clay	20
ball clay	20
tile #6 kaolin	25
flint	10
kona f-4 spar	25
bentonite	1

As for clay, it can be "to taste". It will stand up a lot better and crack a lot less if there is some fireclay, though very much will push the color to buff. Similarly, a little ball clay goes a long way to promote plasticity. Kaolin will give the whiteness, but you can't use it alone unless you also add some other filler such as flint or pyrophyllite.

If it were me I would start with the following:
 This will be pretty off-white (cream to buff), so if they want whiter they will have to accept the lower workability of a high- kaolin body. They may want to add grog, in which case you could use something like lone Grain if they want whiteness without the cost of Molochite. Kona can also cause deflocculation, so a little flocculent (one quarter percent) might be a good idea. Have them dissolve it first in hot water.

This is just a starting point- they can adjust any of the components to fit their needs.