

Porcelain Clay Bodies – Cone 10

Porcelain Body (Cone 10)	
Custer Feldspar	24.76 %
6 Tile Clay	17.82
EPK (Edgar Plastic Kaolin)	17.82
Tennessee Ball Clay (#10)	17.82
Pyrax	1.98
Silica (Flint)	19.80
	<u>100.00 %</u>

For a casting slip, mix the dry clay body with a solution of 39.60% water, 0.25% Darvan and 0.08% soda ash.

Porcelain Body (Cone 9-10)	
Potash Feldspar (Custer or Norfloat)	25 %
Bentonite	5
Grolleg Kaolin	53
Flint (325 mesh)	17
	<u>100 %</u>

Grolleg Porcelain Body (Cone 9-10)	
Custer Feldspar	18 %
Grolleg Kaolin	55
Flint	14
Molochite 200	8
Pyrophyllite	5
	<u>100 %</u>

Add 2% bentonite, blunged in water.

Porcelain Body 1 (Cone 8-11)	
Nepheline Syenite	31.6 parts
Bentonite	2.2
Edgar Plastic Kaolin	40.0
Kentucky Ball Clay (OM 4)	8.9
Flint	17.7
	<u>100.4 parts</u>

Porcelain Body 2 (Cone 8-11)	
Nepheline Syenite	25.0 parts
Edgar Plastic Kaolin	47.0
Flint	25.0
	<u>97.0 parts</u>

Add: Baroid Macaloid ... 2.5 parts

David Leach Porcelain Body (Cone 10)	
Potash Feldspar	25 %
Grolleg Kaolin	52
Quest White Bentonite	4
Flint	19
	<u>100 %</u>

John's Porcelain Body (Cone 9-11)	
Custer Feldspar	34.38 %
Grolleg Kaolin	40.04
Flint	25.58
	<u>100.00 %</u>

Add: Bentonite

CHRIS STALEY PORCELAIN

<i>GROLLEG</i>	<i>55</i>
<i>CUSTER FELDSPAR</i>	<i>20</i>
<i>FLINT</i>	<i>13</i>
<i>PYROTROL</i>	<i>12</i>
<i>BENT.</i>	<i>3</i>

OR

<i>GROLLEG</i>	<i>25</i>
<i>#6 TILE</i>	<i>25</i>
<i>CUSTER FELDSPAR</i>	<i>20</i>
<i>FLINT</i>	<i>13</i>
<i>PYROTROL</i>	<i>12</i>
<i>BENT</i>	<i>3</i>

Willoughby/Shusterman Porcelain (Cone 10-11)	
NC 4 Feldspar	45 lb
6 Tile Clay	25
Edgar Plastic Kaolin	25
Plastic Vitrox Clay	4
Tennessee Ball Clay (10)	50
Flint (200 mesh)	40
Pyrophyllite	4
Molochite (200 mesh)	4
	<u>197 lb</u>

The following slips are applied to leather-hard ware. Adding 0.25% Calgon as a deflocculant permits the use of less water for working consistency.

Cone 6 Porcelain Clay Body (from Val Cushing; in % by weight)	
EPK	35 %
Tile #6 Clay	15
Nepheline Syenite	23
Silica	22
XX Sagger Ball Clay	5
BASE TOTAL	<u>100 %</u>

add Bentonite 3

Porcelain Body (Cone 10-11, reduction)	
Kona F-4 Feldspar	25 %
Grolleg Kaolin	50
Flint (200 mesh)	25
	<u>100 %</u>

Add: Bentonite

Porcelain Ball Clay	
Kaolin	50
Feldspar	50
Silica 200 Mesh	50
Bentonite	10
Water	50

Babu Porcelain Body (Cone 10-11)	
Custer Feldspar	20
Bentonite	2
Grolleg Kaolin	55
Flint	13
Pyrophyllite	13
	<u>103</u>

Tom Turner Porcelain Body (Cone 10, reduction)	
Custer Feldspar	23.5
6-Tile Clay	29.0
Kaopaque 20	14.5
Kentucky Ball Clay (OM 4)	4.5
Flint	27.0
Veegum T	1.5