

Glassy Eyed- Δ 6

Lab 5b-Color Wheel 2-Individual



Ceramic
Materials
Workshop

ceramicmaterialsworkshop.com

Glassy Eyed

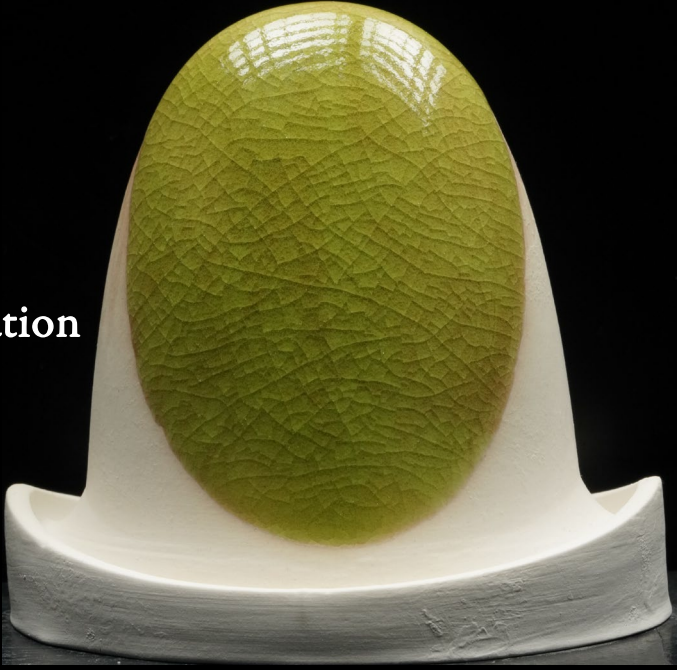
Original

070422-1

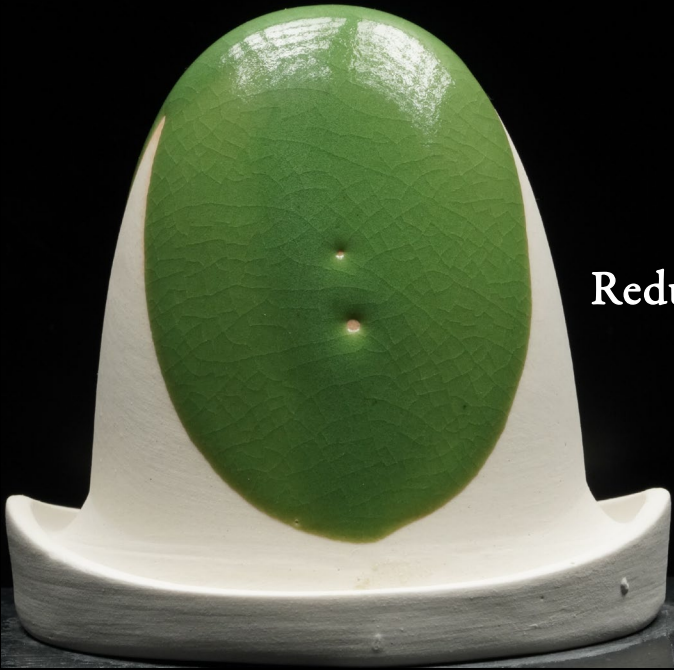
G200 EU	25.52
Strontium Carb	20.75
EPK	19.81
Flint	26.41
3134	15.28
Chrome Oxide	0.33
Water	60



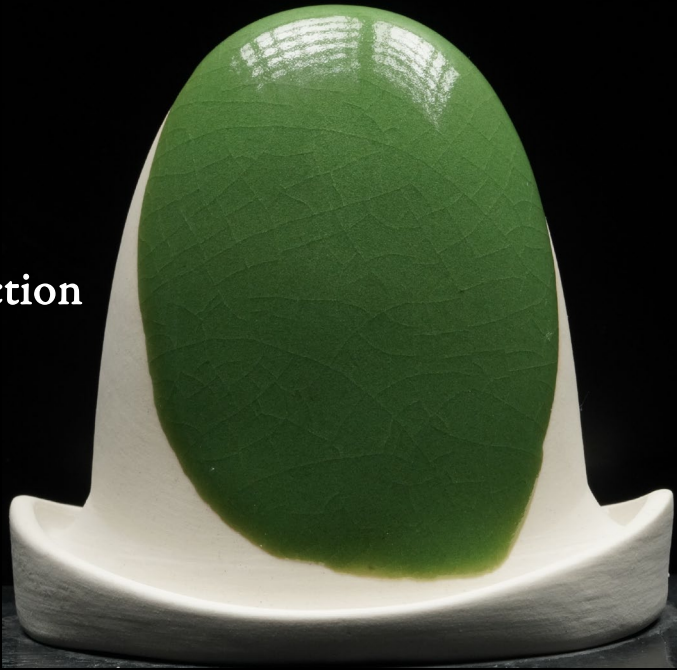
1-3 Second Dip



2-3 Second Dips



Reduction

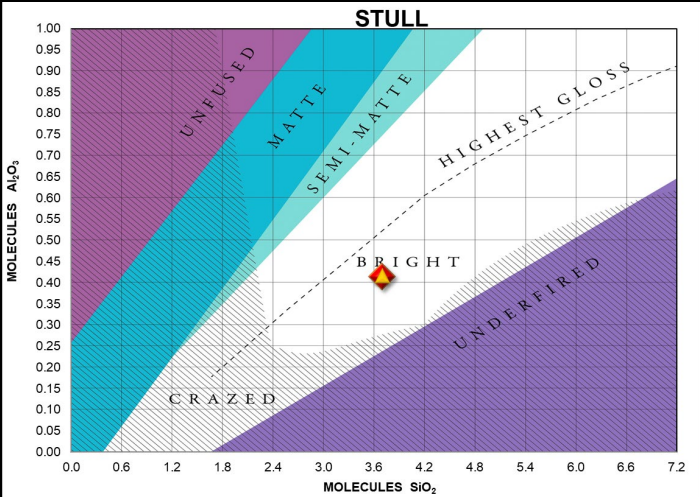


Reduction

Oxidation

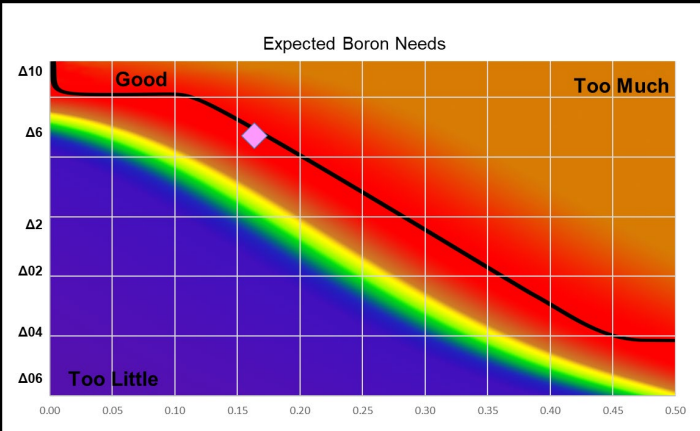
UMF

SiO ₂ :Al ₂ O ₃ Ratio 8.87 : 1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.70	Collective "Al ₂ O ₃ " 0.42	Na ₂ O 0.13	K ₂ O 0.11	MgO 0.00	CaO 0.23
B ₂ O ₃ 0.16	Al ₂ O ₃ 0.41	Li ₂ O	CuO	SrO 0.52	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



EUMF

SiO ₂ :Al ₂ O ₃ Ratio 8.87 : 1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.70	Collective "Al ₂ O ₃ " 0.42	Na ₂ O 0.13	K ₂ O 0.11	MgO 0.00	CaO 0.23
B ₂ O ₃ 0.16	Al ₂ O ₃ 0.41	Li ₂ O	CuO	SrO 0.52	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃ 0.01	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Glassy Eyed

G200 EU	23.21
Strontium Carb	18.88
EPK	18.02
Flint	24.03
3134	13.90
Cobalt Carbonate	0.98
Chrome Oxide	0.98
Water	60

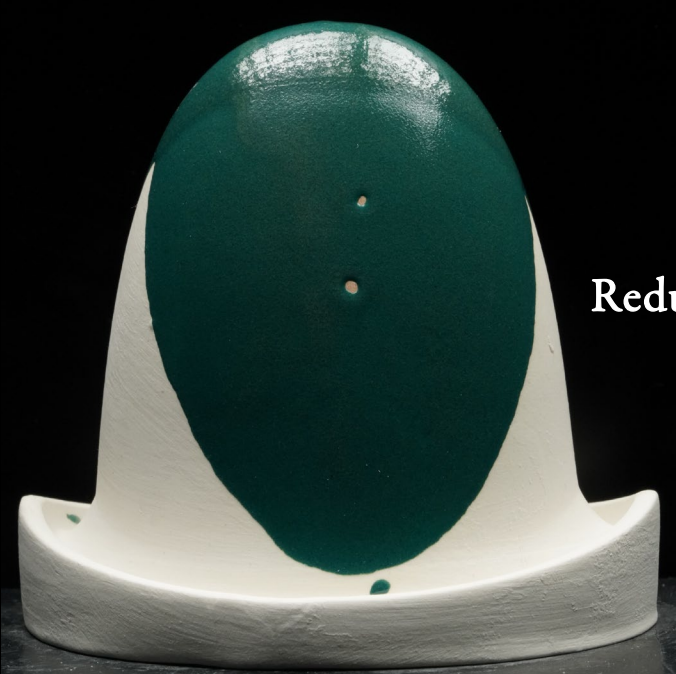


Oxidation

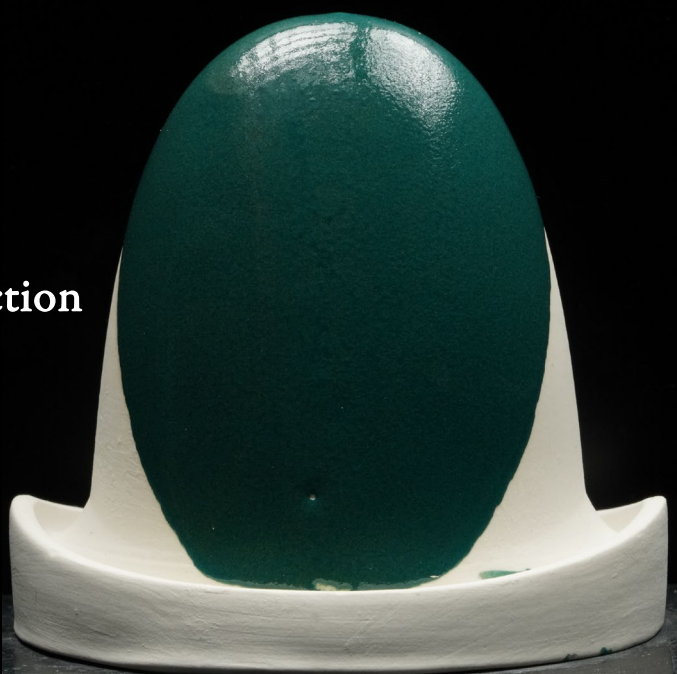
1-3 Second Dip



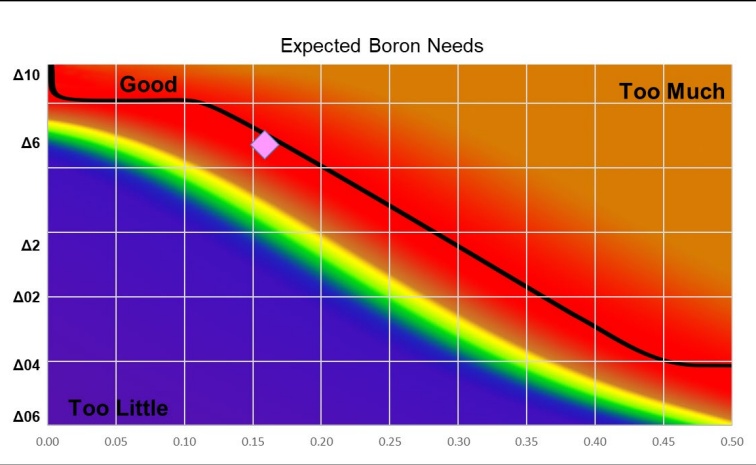
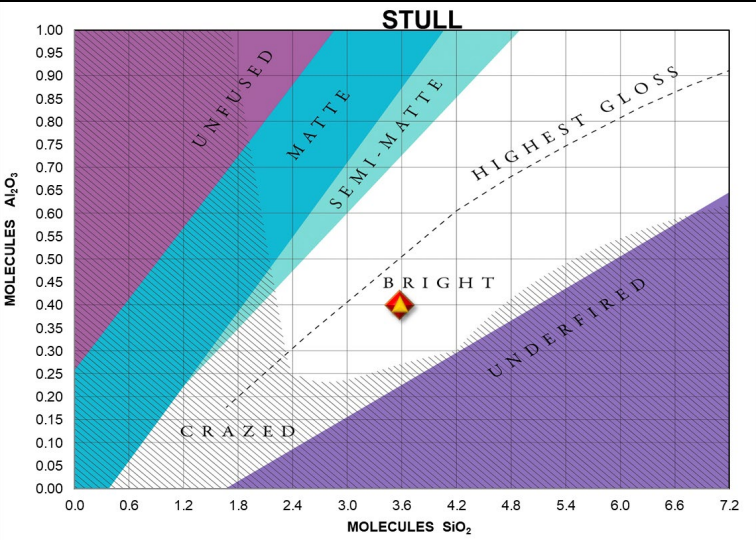
2-3 Second Dips



Reduction



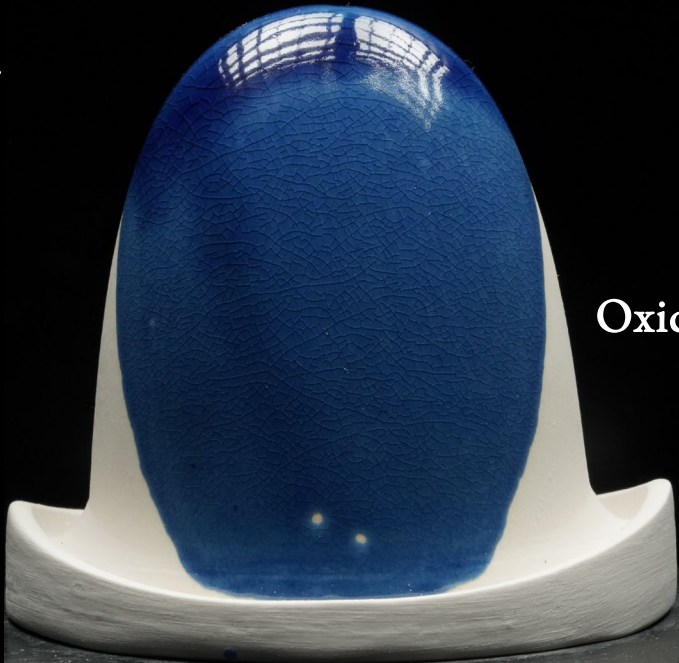
SiO ₂ :Al ₂ O ₃ Ratio 8.87 : 1		Alkali Metals 0.23		Alkaline Earths 0.77	
SiO ₂ 3.58	Collective "Al ₂ O ₃ " 0.40	Na ₂ O 0.12	K ₂ O 0.11	MgO 0.00	CaO 0.22
B ₂ O ₃ 0.16	Al ₂ O ₃ 0.40	Li ₂ O	CuO	SrO 0.50	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃ 0.03	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.03



Ceramic
Materials
Workshop

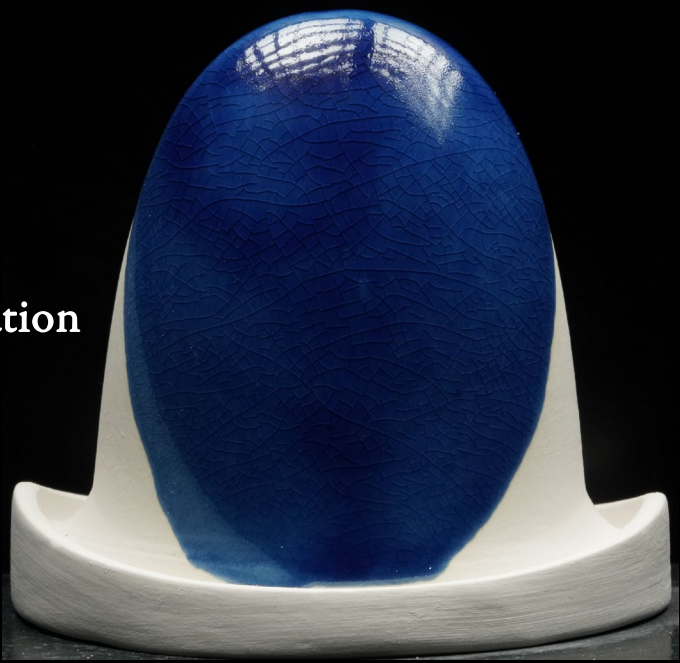
Glassy Eyed

G200 EU	22.77
Strontium Carb	18.51
EPK	17.68
Flint	23.56
3134	13.63
Cobalt Carbonate	0.96
Copper Carbonate	2.88
Water	60



Oxidation

1-3 Second Dip



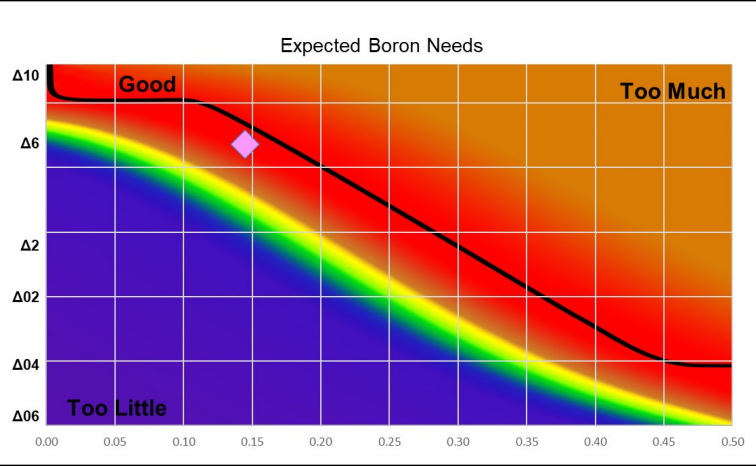
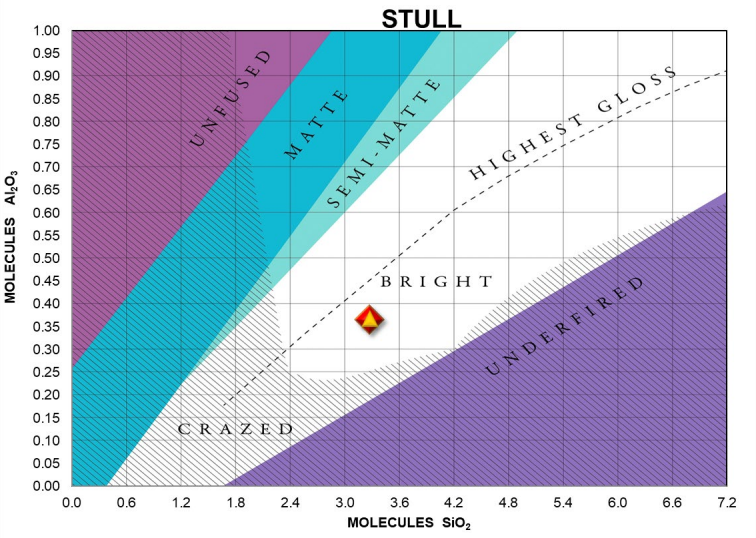
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 8.87 : 1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.28	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.11	K ₂ O 0.10	MgO 0.00	CaO 0.20
B ₂ O ₃ 0.14	Al ₂ O ₃ 0.37	Li ₂ O	CuO 0.09	SrO 0.46	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.03



Ceramic
Materials
Workshop

Glassy Eyed

SiO ₂ :Al ₂ O ₃ Ratio 8.87 : 1		Alkali Metals 0.16		Alkaline Earths 0.84	
SiO ₂ 2.45	Collective "Al ₂ O ₃ " 0.28	Na ₂ O 0.08	K ₂ O 0.07	MgO 0.00	CaO 0.15
B ₂ O ₃ 0.11	Al ₂ O ₃ 0.27	Li ₂ O 0.00	CuO 0.00	SrO 0.34	BaO 0.00
TiO ₂ 0.00	NiO 0.00	Bi ₂ O ₃ 0.00	SnO ₂ 0.00	ZnO 0.00	FeO 0.32
Cr ₂ O ₃ 0.00	ZrO ₂ 0.00	P ₂ O ₅ 0.00		MnO ₂ 0.00	CoO 0.02

G200 EU	22.13
Strontium Carb	17.99
EPK	17.18
Flint	22.90
3134	13.25
Cobalt Carbonate	0.93
Red Iron Oxide	5.61
Water	60



1-3 Second Dip

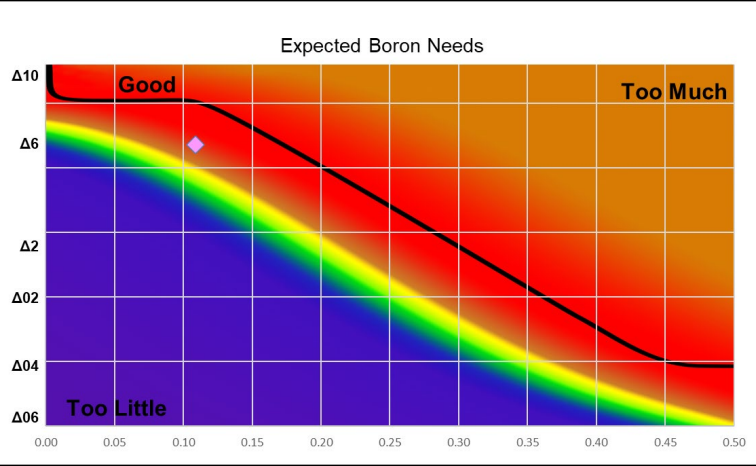
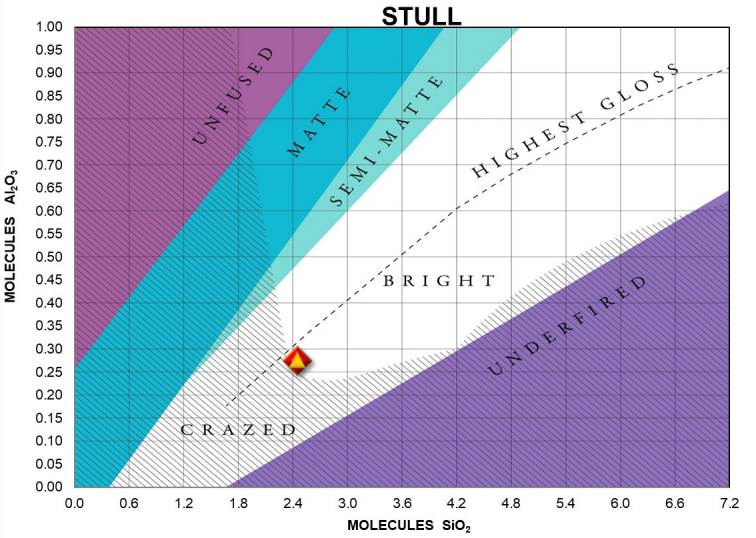


2-3 Second Dips

Oxidation



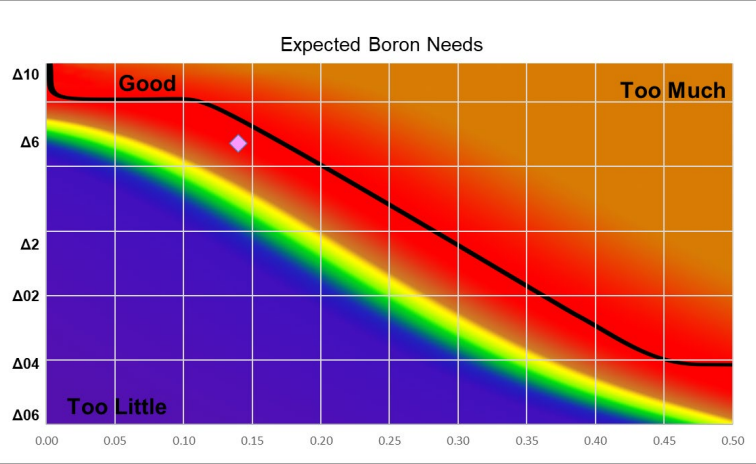
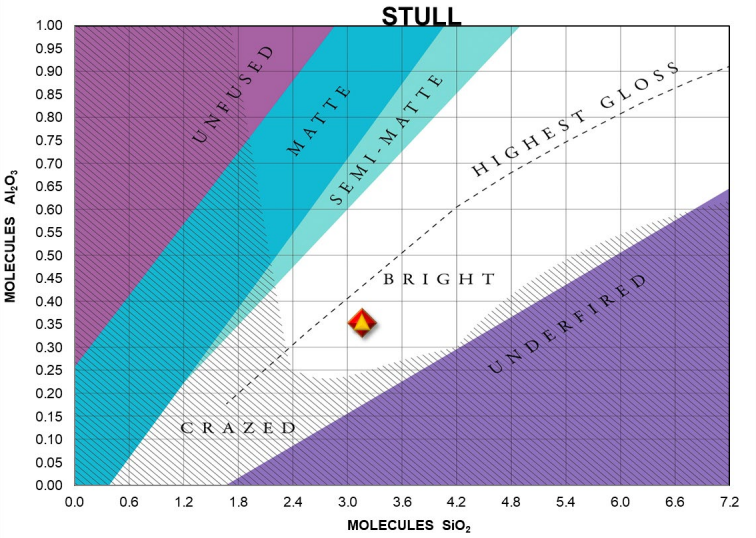
Reduction



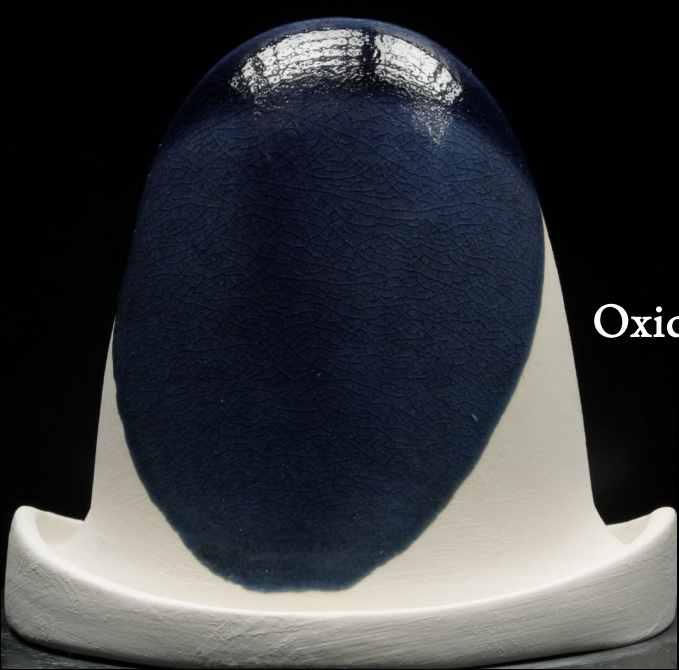
Ceramic
Materials
Workshop

Glassy Eyed

SiO ₂ :Al ₂ O ₃ Ratio 8.87 : 1		Alkali Metals 0.20		Alkaline Earths 0.80	
SiO ₂ 3.16	Collective "Al ₂ O ₃ " 0.36	Na ₂ O 0.11	K ₂ O 0.10	MgO 0.00	CaO 0.20
B ₂ O ₃ 0.14	Al ₂ O ₃ 0.35	Li ₂ O	CuO	SrO 0.44	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂ 0.12	CoO 0.03



G200 EU	22.77
Strontium Carb	18.51
EPK	17.68
Flint	23.56
3134	13.63
Cobalt Carbonate	0.96
Manganese Dioxide	2.88
Water	60



Oxidation



Reduction



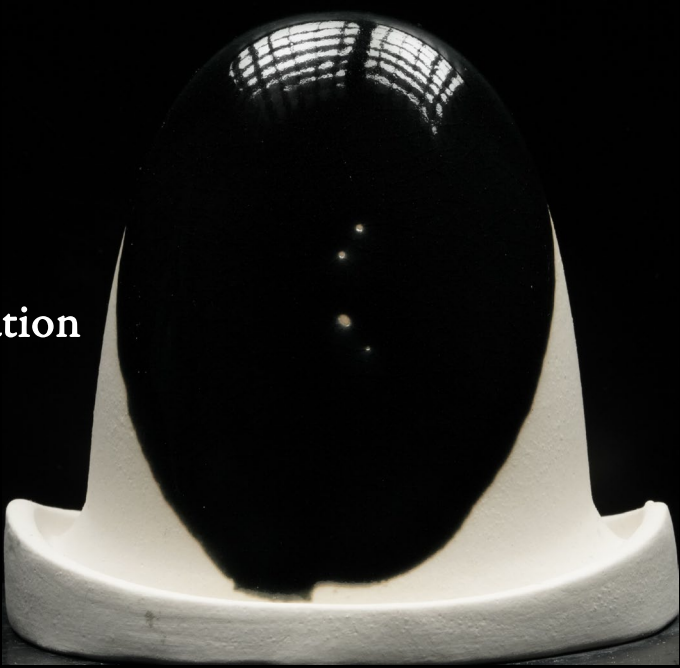
Ceramic
Materials
Workshop

Glassy Eyed

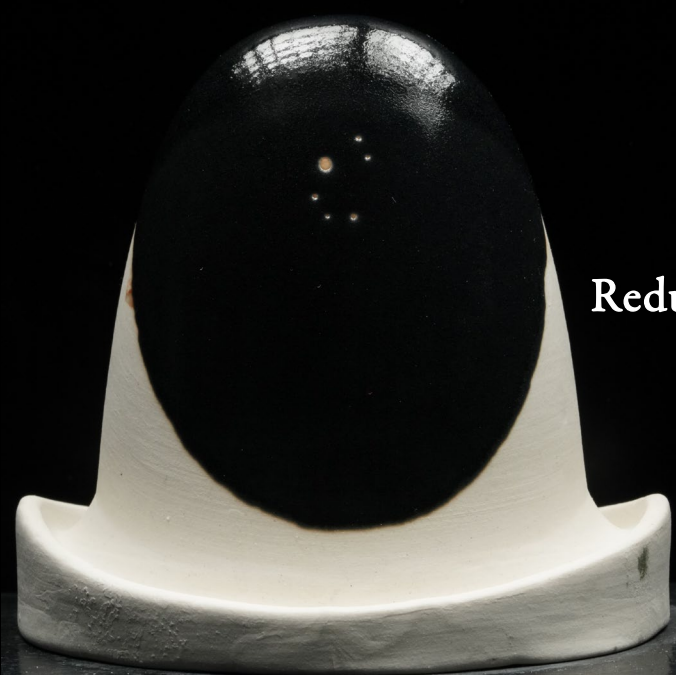
G200 EU	22.88
Strontium Carb	18.60
EPK	17.76
Flint	23.68
3134	13.70
Cobalt Carbonate	0.97
Nickel Carb (Green)	2.42
Water	75



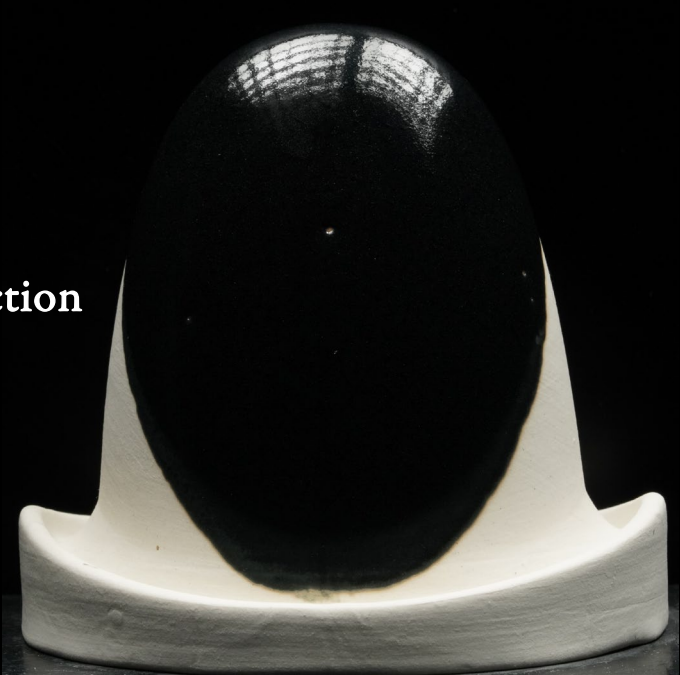
1-3 Second Dip



2-3 Second Dips

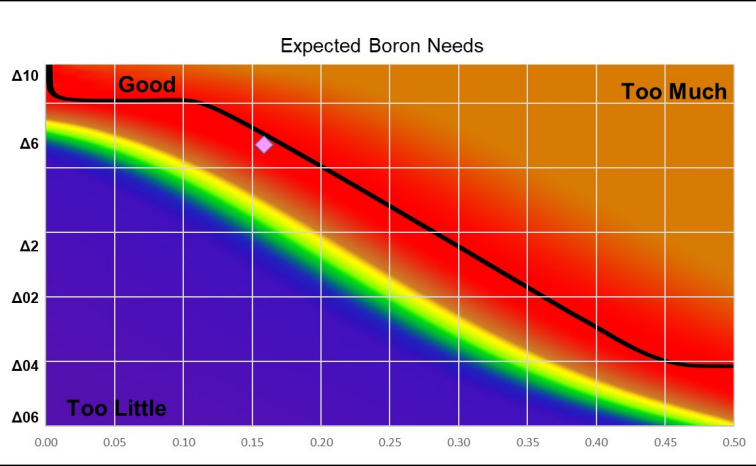
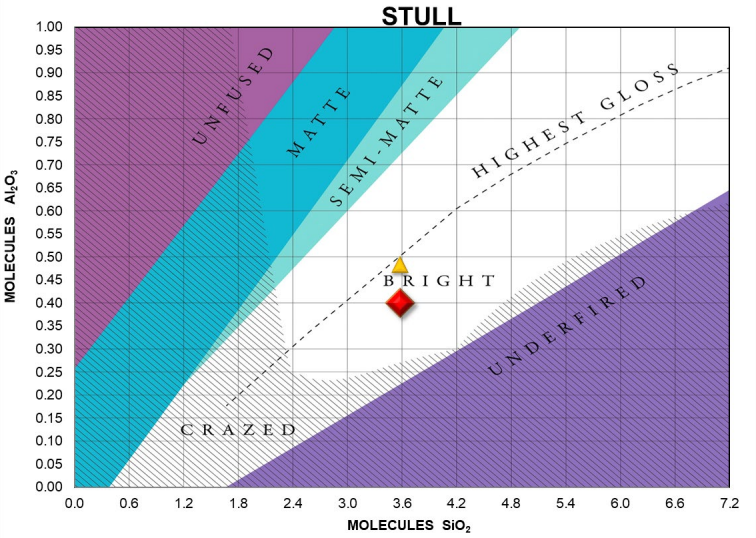


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 7.39 :1		Alkali Metals 0.23		Alkaline Earths 0.77	
SiO ₂	Collective "Al ₂ O ₃ "	Na ₂ O	K ₂ O	MgO	CaO
3.58	0.48	0.12	0.11	0.00	0.22
B ₂ O ₃	Al ₂ O ₃	Li ₂ O	CuO	SrO	BaO
0.16	0.40			0.50	
TiO ₂	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO
0.00	0.08				0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO
					0.03

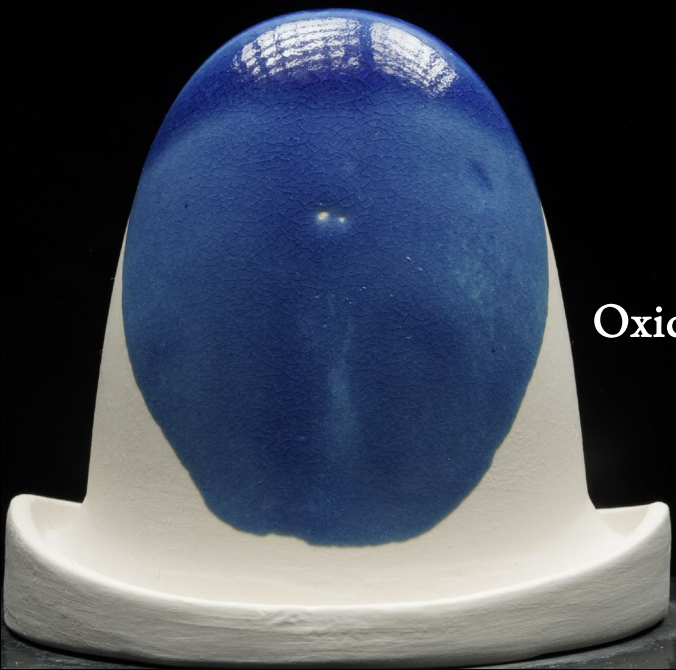


Ceramic
Materials
Workshop

Glassy Eyed

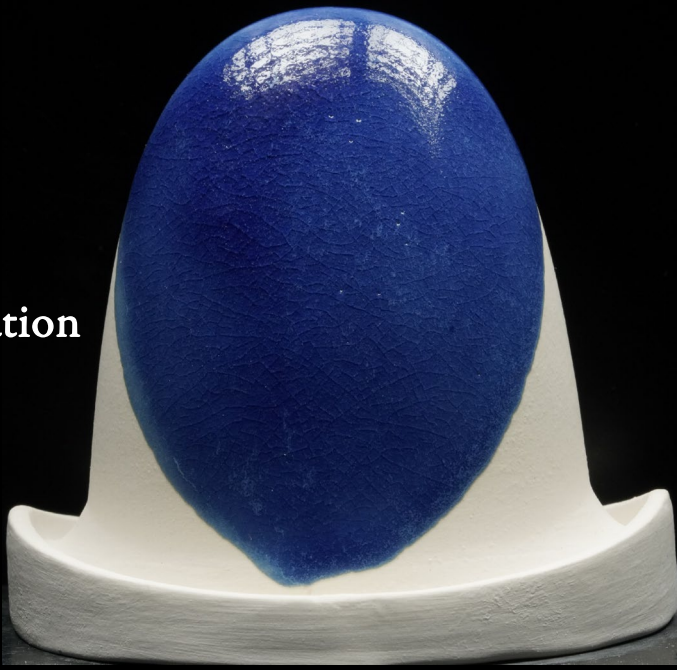
SiO ₂ :Al ₂ O ₃ Ratio 5.21 : 1		Alkali Metals 0.23		Alkaline Earths 0.77	
SiO ₂ 3.58	Collective "Al ₂ O ₃ " 0.69	Na ₂ O 0.12	K ₂ O 0.11	MgO 0.00	CaO 0.22
B ₂ O ₃ 0.16	Al ₂ O ₃ 0.40	Li ₂ O	CuO	SrO 0.50	BaO
TiO ₂ 0.29	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.03

G200 EU	22.13
Strontium Carb	17.99
EPK	17.18
Flint	22.90
3134	13.25
Cobalt Carbonate	0.93
Titanium Dioxide	5.61
Water	70



Oxidation

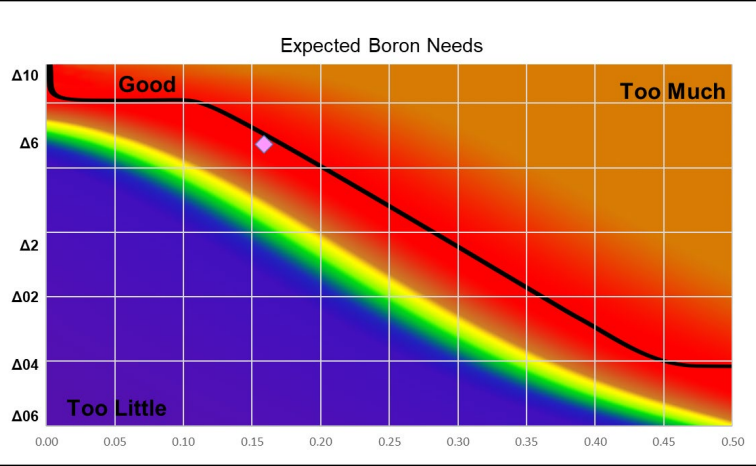
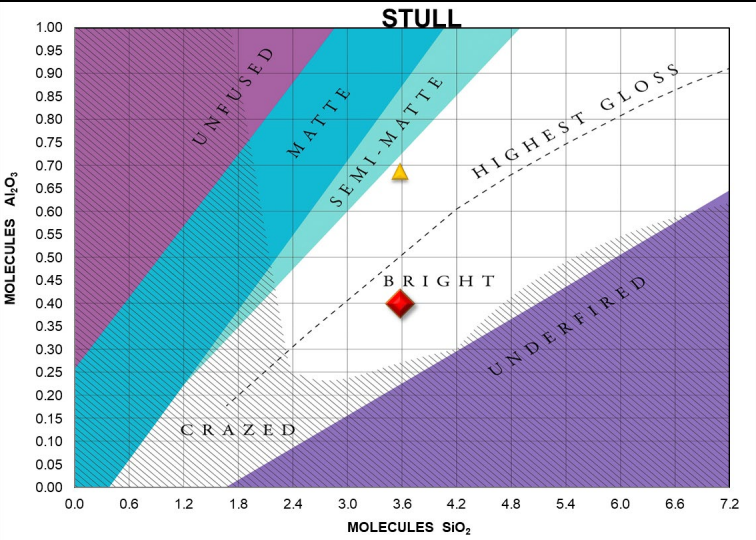
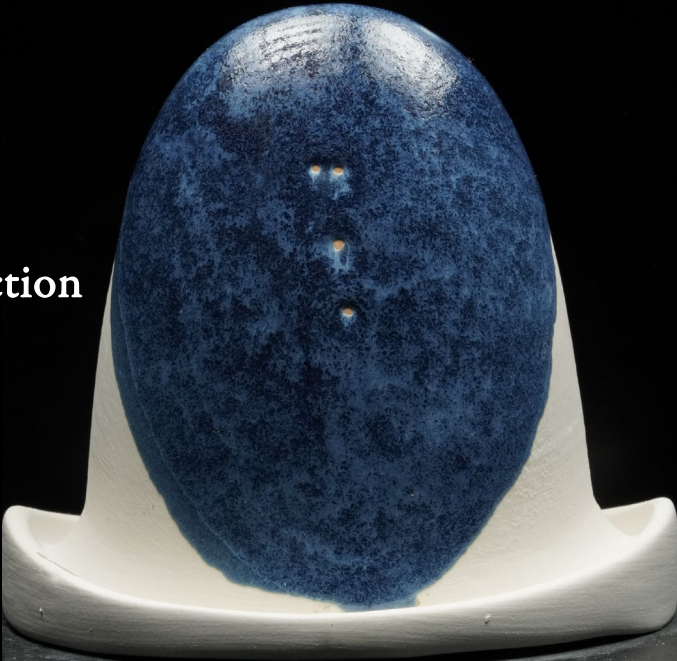
1-3 Second Dip



2-3 Second Dips



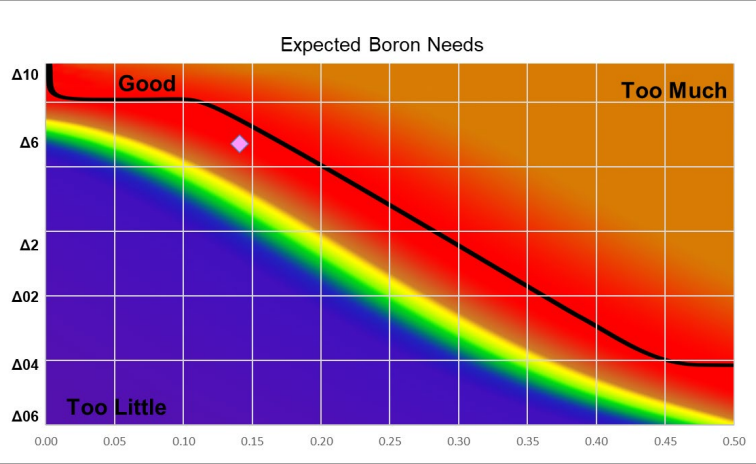
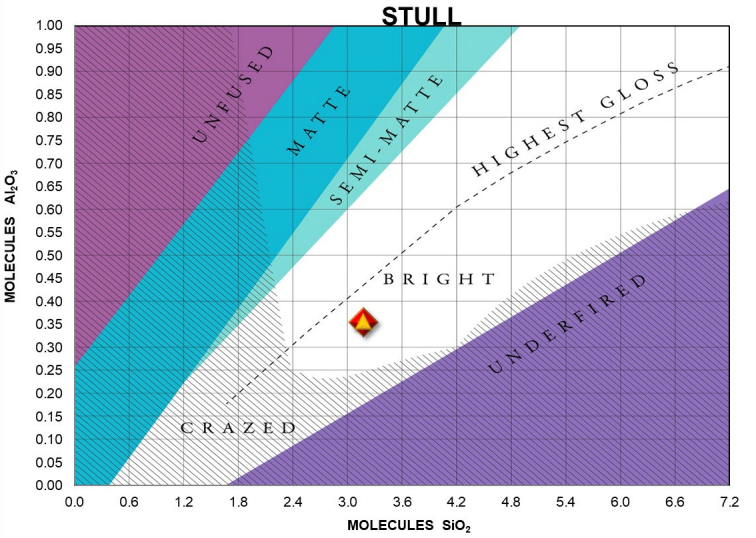
Reduction



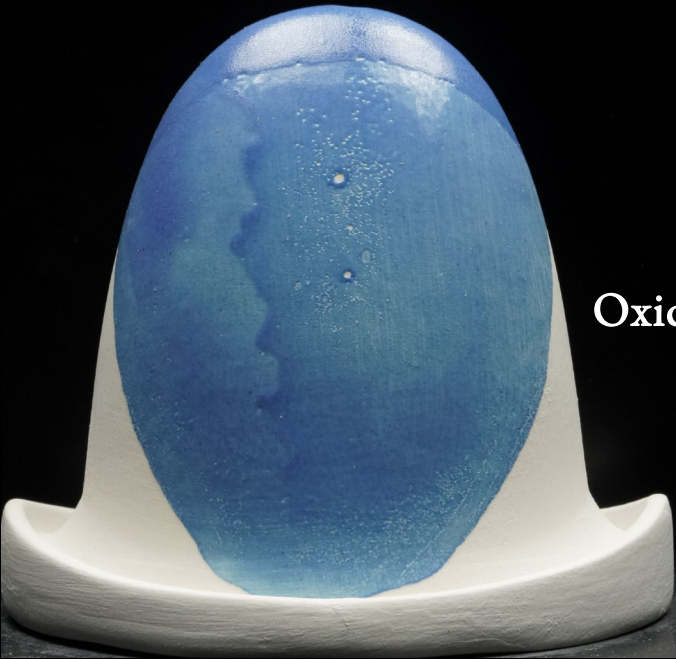
Ceramic
Materials
Workshop

Glassy Eyed

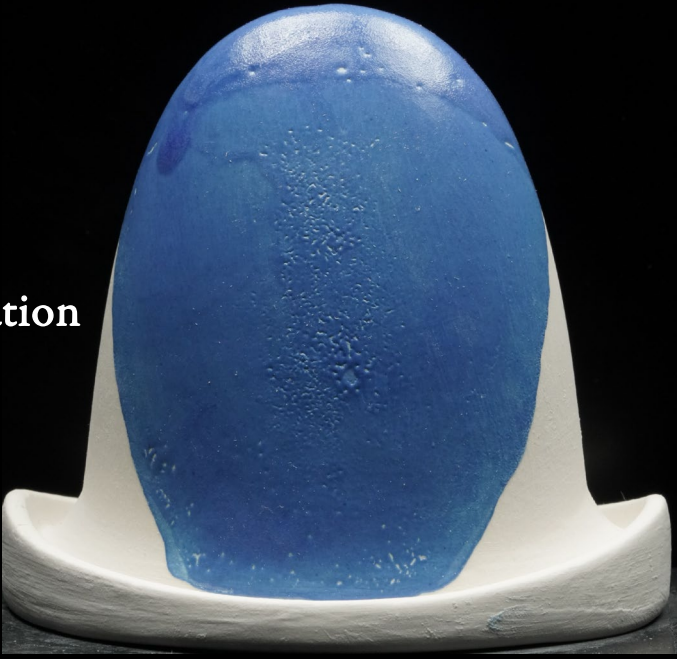
SiO ₂ :Al ₂ O ₃ Ratio 8.87 : 1		Alkali Metals 0.32		Alkaline Earths 0.68	
SiO ₂ 3.18	Collective "Al ₂ O ₃ " 0.36	Na ₂ O 0.11	K ₂ O 0.10	MgO 0.00	CaO 0.20
B ₂ O ₃ 0.14	Al ₂ O ₃ 0.35	Li ₂ O	CuO	SrO 0.44	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂ 0.11	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.03



G200 EU	22.34
Strontium Carb	18.16
EPK	17.34
Flint	23.12
3134	13.38
Cobalt Carbonate	0.94
Tin Oxide	4.72
Water	65



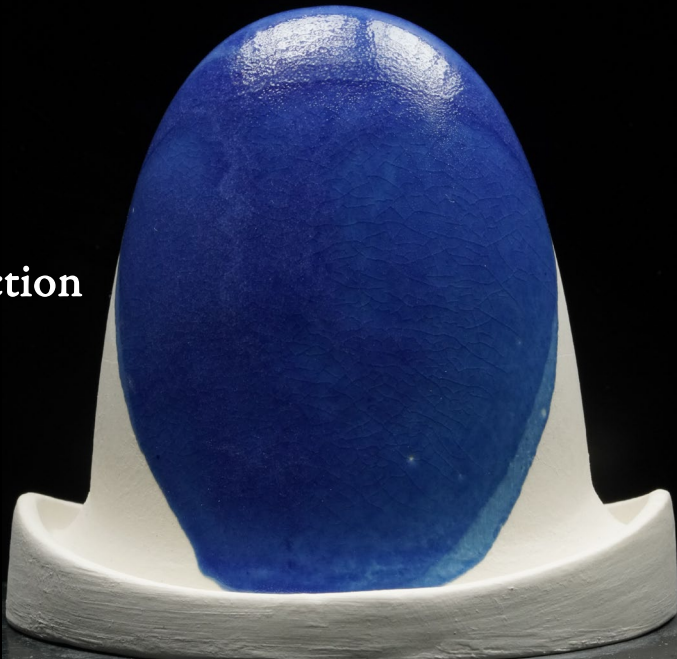
1-3 Second Dip



2-3 Second Dips



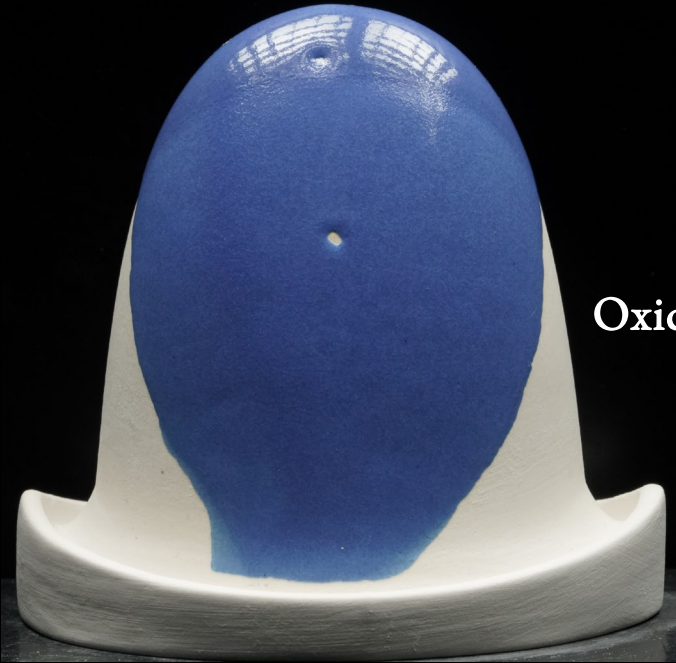
Reduction



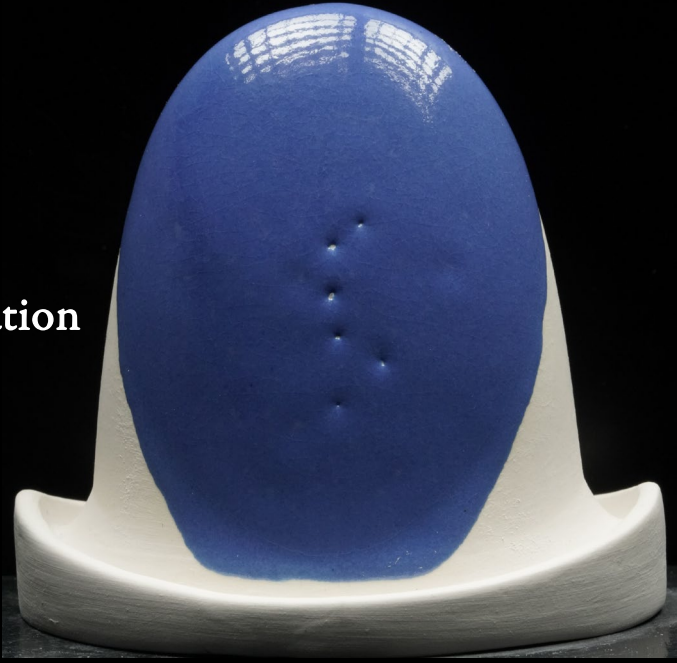
Ceramic
Materials
Workshop

Glassy Eyed

G200 EU	21.33
Strontium Carb	17.35
EPK	16.56
Flint	22.08
3134	12.77
Cobalt Carbonate	0.90
Ultrax (Zircopax)	9.01
Water	60



1-3 Second Dip



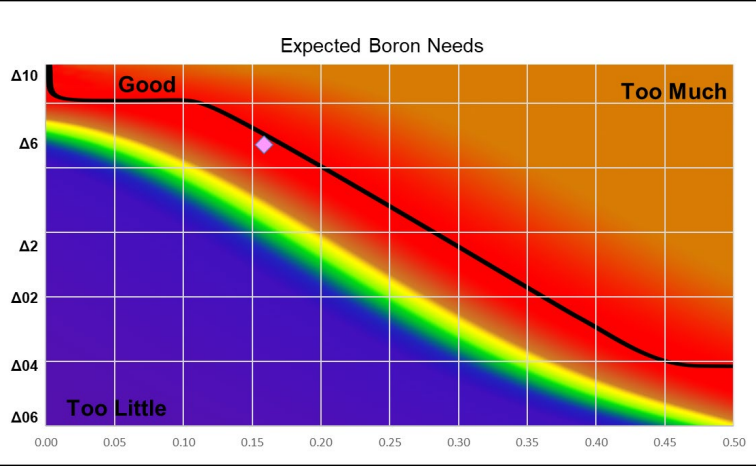
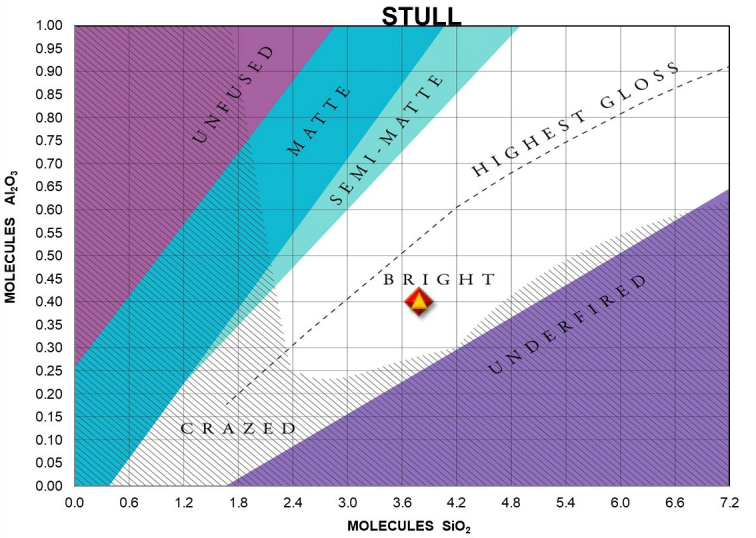
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 9.39 : 1		Alkali Metals 0.23		Alkaline Earths 0.77	
SiO ₂ 3.79	Collective "Al ₂ O ₃ " 0.40	Na ₂ O 0.12	K ₂ O 0.11	MgO 0.00	CaO 0.22
B ₂ O ₃ 0.16	Al ₂ O ₃ 0.40	Li ₂ O	CuO	SrO 0.50	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.03



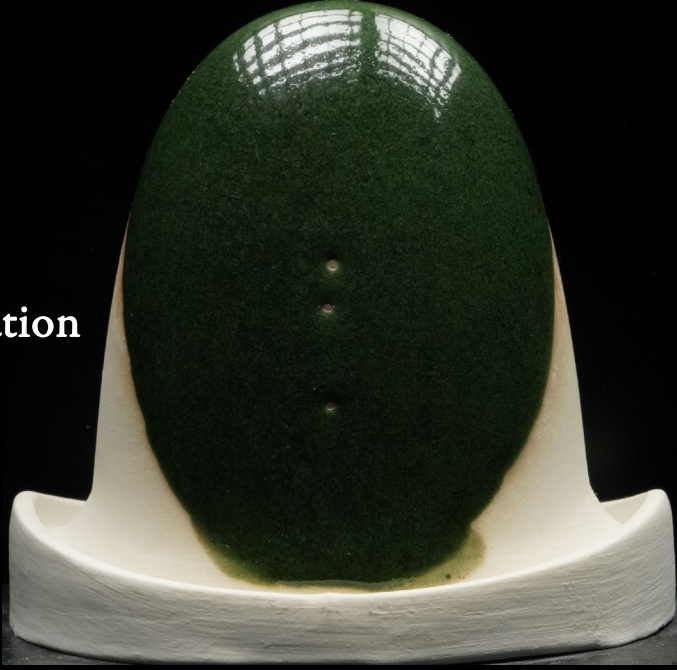
Ceramic
Materials
Workshop

Glassy Eyed

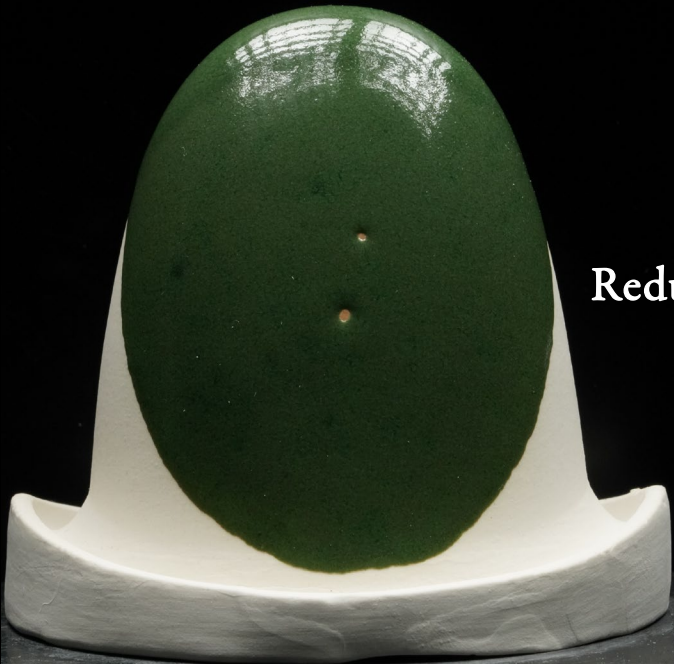
G200 EU	22.77
Strontium Carb	18.51
EPK	17.68
Flint	23.56
3134	13.63
Chrome Oxide	0.96
Copper Carbonate	2.88
Water	60



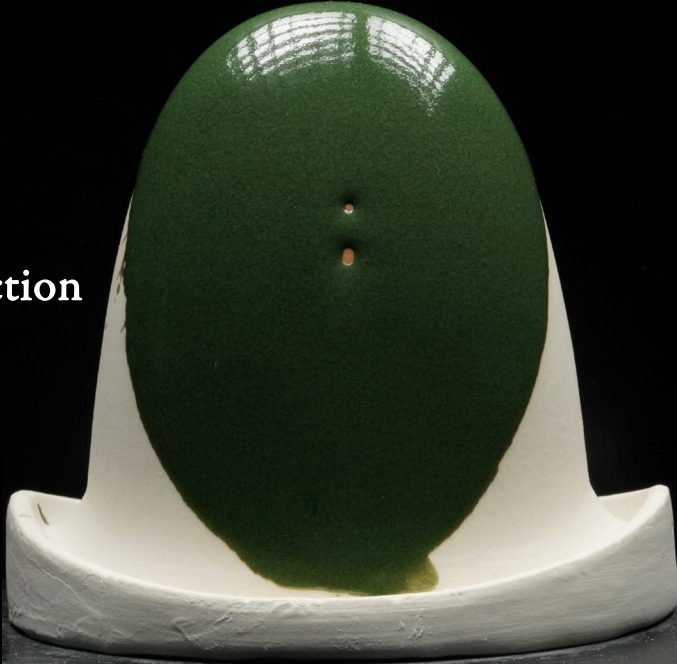
1-3 Second Dip



2-3 Second Dips

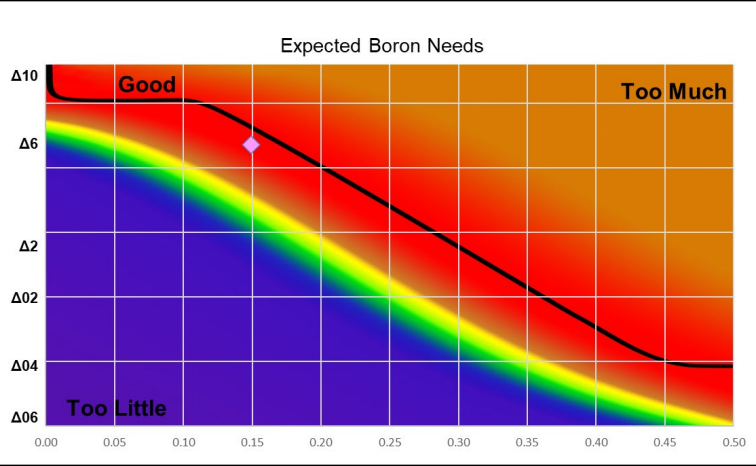
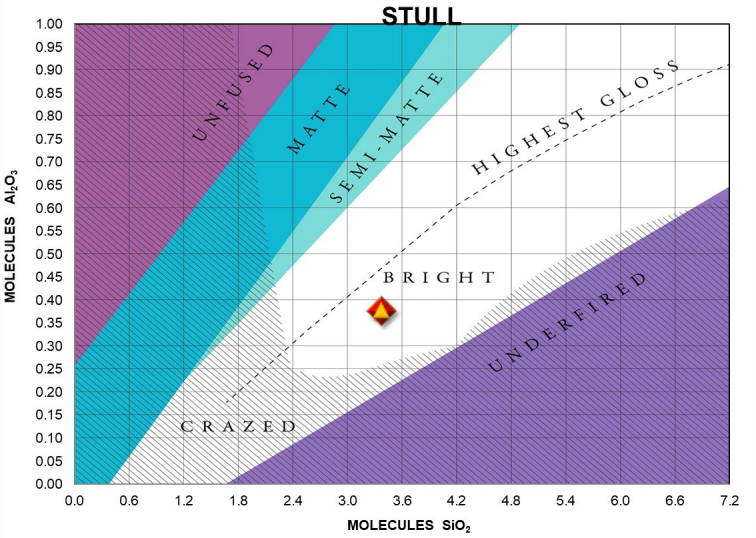


Reduction



Oxidation

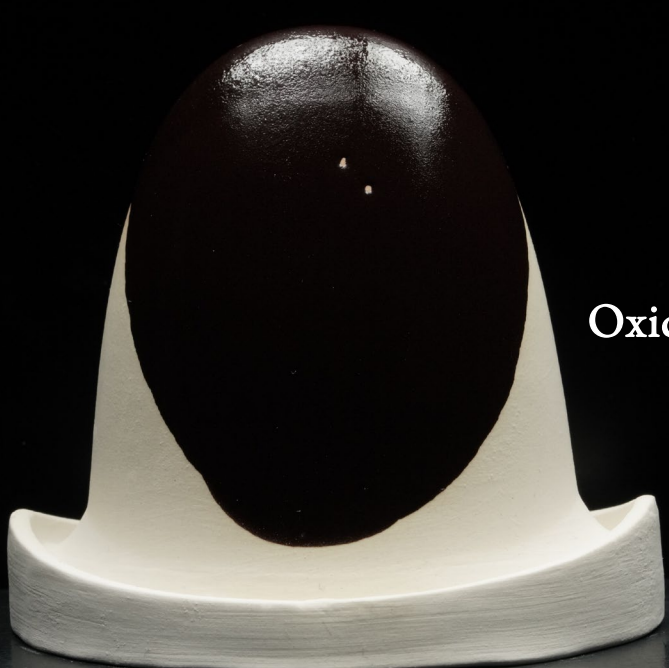
SiO ₂ :Al ₂ O ₃ Ratio 8.87 : 1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.37	Collective "Al ₂ O ₃ " 0.38	Na ₂ O 0.11	K ₂ O 0.10	MgO 0.00	CaO 0.21
B ₂ O ₃ 0.15	Al ₂ O ₃ 0.38	Li ₂ O 0.00	CuO 0.09	SrO 0.47	BaO 0.01
TiO ₂ 0.00	NiO 0.00	Bi ₂ O ₃ 0.00	SnO ₂ 0.00	ZnO 0.00	FeO 0.01
Cr ₂ O ₃ 0.02	ZrO ₂ 0.00	P ₂ O ₅ 0.00		MnO ₂ 0.00	CoO 0.00



Ceramic
Materials
Workshop

Glassy Eyed

G200 EU	22.13
Strontium Carb	17.99
EPK	17.18
Flint	22.90
3134	13.25
Chrome Oxide	0.93
Red Iron Oxide	5.61
Water	65



1-3 Second Dip



2-3 Second Dips

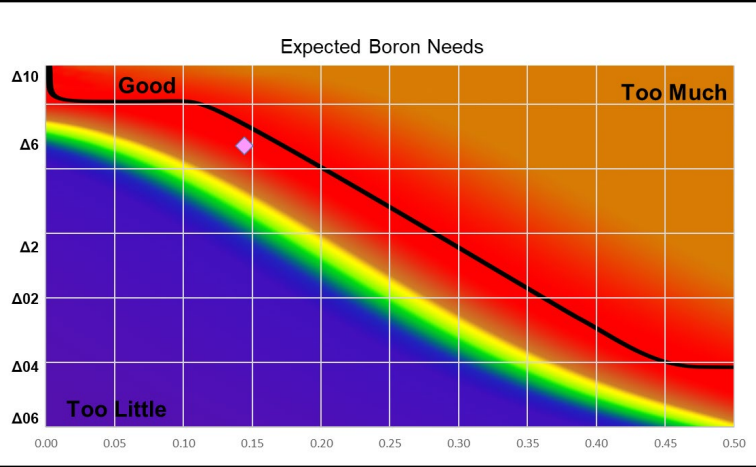
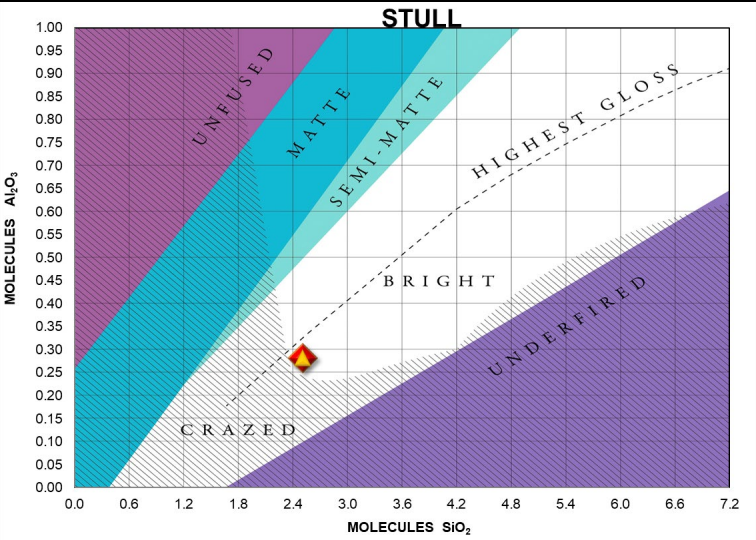


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 8.87 : 1		Alkali Metals 0.16		Alkaline Earths 0.84	
SiO ₂ 2.51	Collective "Al ₂ O ₃ " 0.28	Na ₂ O 0.08	K ₂ O 0.08	MgO 0.00	CaO 0.15
B ₂ O ₃ 0.11	Al ₂ O ₃ 0.28	Li ₂ O 0.00	CuO 0.00	SrO 0.35	BaO 0.00
TiO ₂ 0.00	NiO 0.00	Bi ₂ O ₃ 0.00	SnO ₂ 0.00	ZnO 0.00	FeO 0.33
Cr ₂ O ₃ 0.02	ZrO ₂ 0.00	P ₂ O ₅ 0.00		MnO ₂ 0.00	CoO 0.00



Ceramic
Materials
Workshop

Glassy Eyed

G200 EU	22.77
Strontium Carb	18.51
EPK	17.68
Flint	23.56
3134	13.63
Chrome Oxide	0.96
Manganese Dioxide	2.88
Water	80

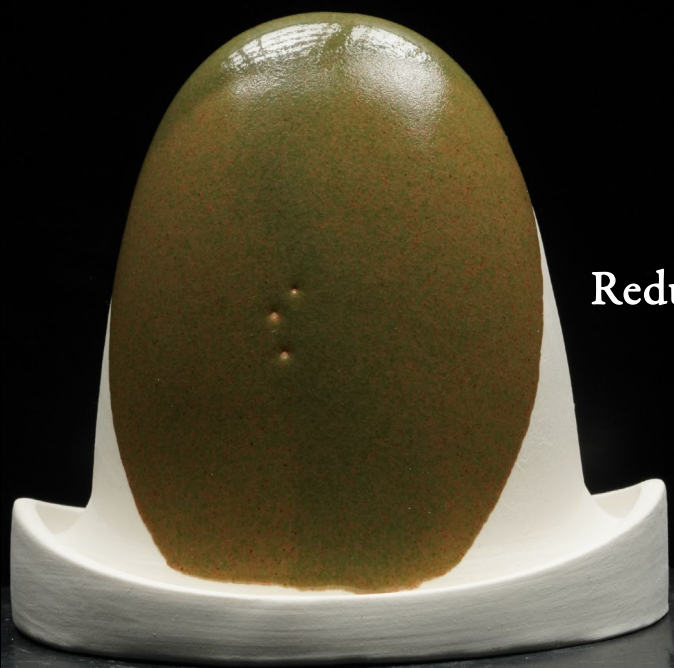


1-3 Second Dip

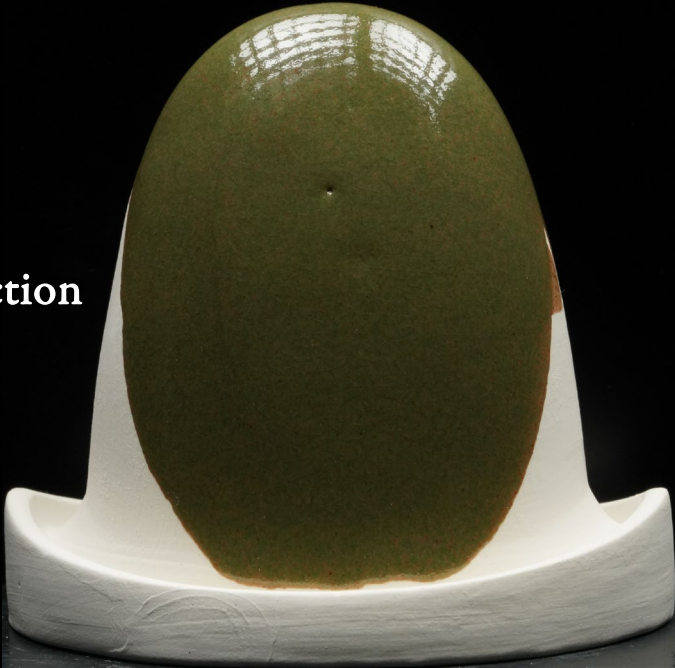


2-3 Second Dips

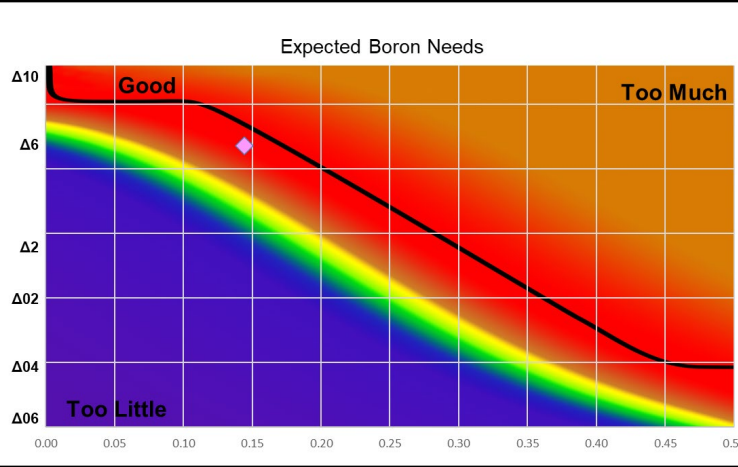
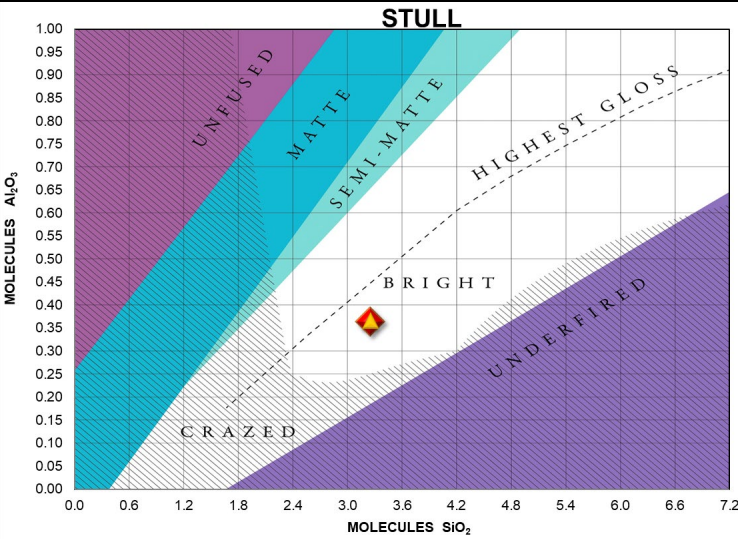
Oxidation



Reduction



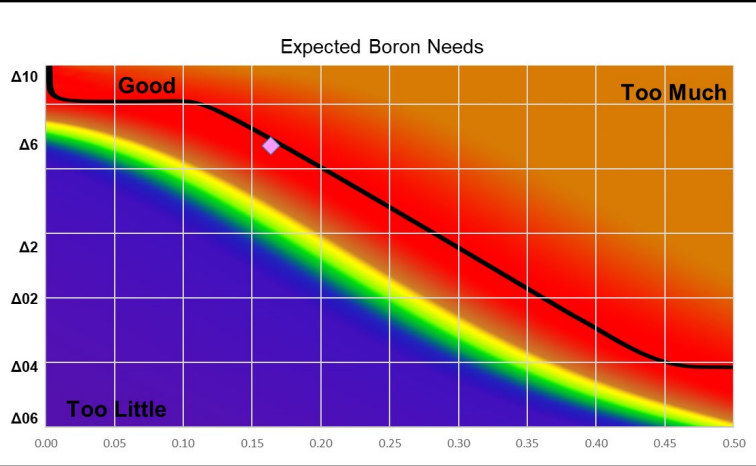
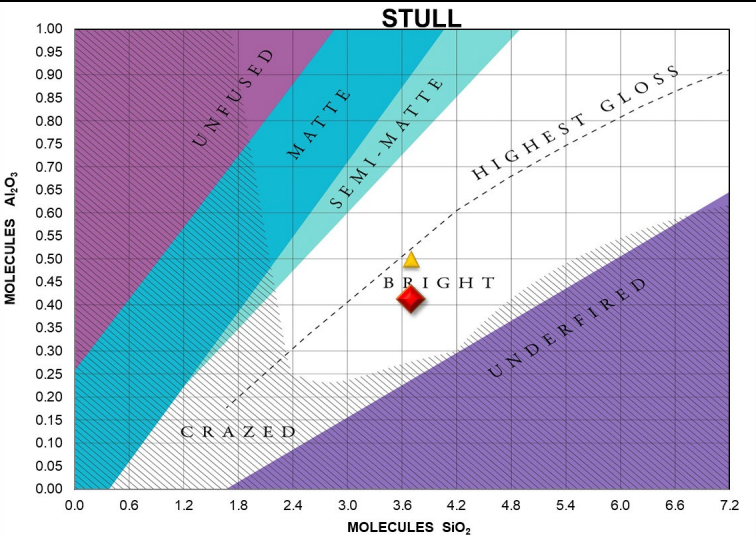
SiO ₂ :Al ₂ O ₃ Ratio 8.87 : 1		Alkali Metals 0.21		Alkaline Earths 0.79	
SiO ₂ 3.25	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.11	K ₂ O 0.10	MgO 0.00	CaO 0.20
B ₂ O ₃ 0.14	Al ₂ O ₃ 0.36	Li ₂ O	CuO	SrO 0.45	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃ 0.02	ZrO ₂	P ₂ O ₅		MnO ₂ 0.12	CoO



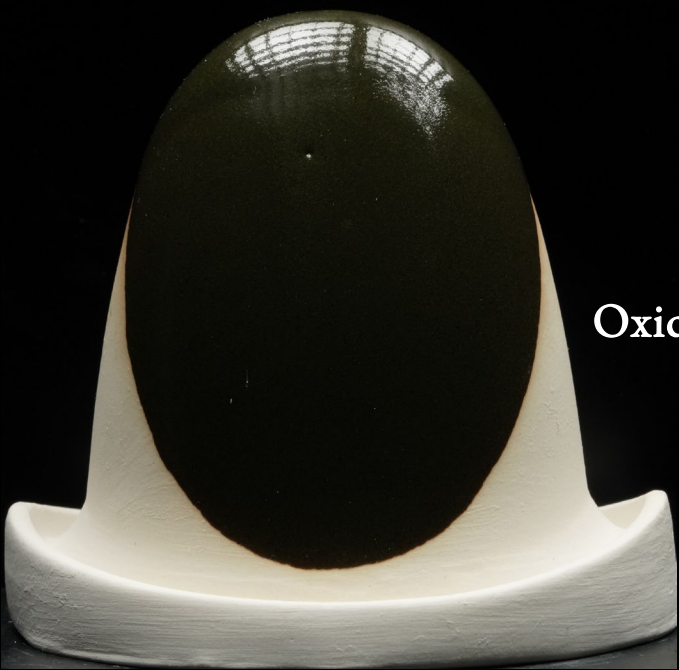
Ceramic
Materials
Workshop

Glassy Eyed

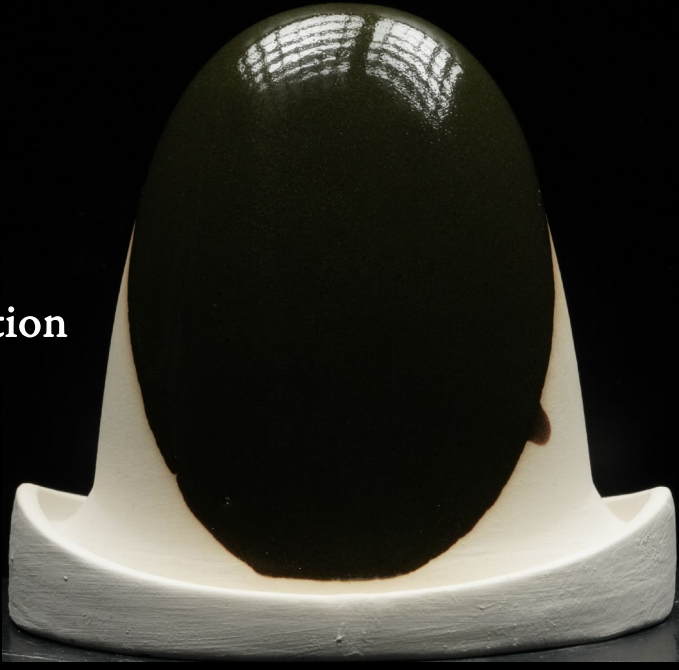
SiO ₂ :Al ₂ O ₃ Ratio 7.39 : 1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.70	Collective "Al ₂ O ₃ " 0.50	Na ₂ O 0.13	K ₂ O 0.11	MgO 0.00	CaO 0.23
B ₂ O ₃ 0.16	Al ₂ O ₃ 0.41	Li ₂ O 0.00	CuO 0.00	SrO 0.52	BaO 0.00
TiO ₂ 0.00	NiO 0.08	Bi ₂ O ₃ 0.00	SnO ₂ 0.00	ZnO 0.00	FeO 0.01
Cr ₂ O ₃ 0.03	ZrO ₂ 0.00	P ₂ O ₅ 0.00		MnO ₂ 0.00	CoO 0.00



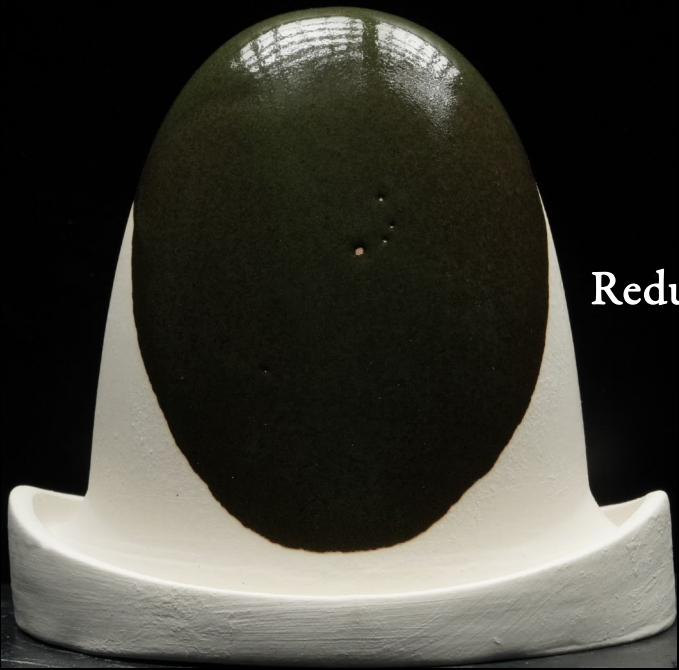
G200 EU	22.88
Strontium Carb	18.60
EPK	17.76
Flint	23.68
3134	13.70
Chrome Oxide	0.97
Nickel Carb (Green)	2.42
Water	70



1-3 Second Dip



2-3 Second Dips



Reduction



Ceramic
Materials
Workshop

Glassy Eyed

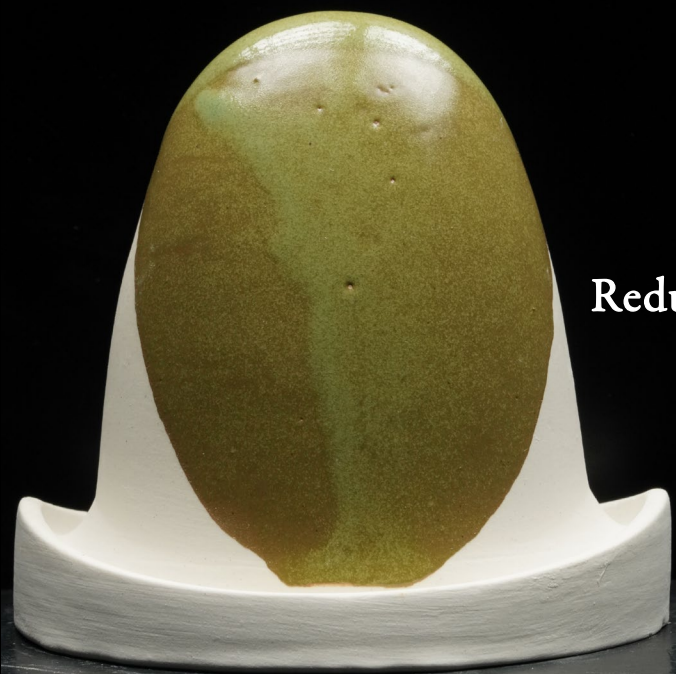
G200 EU	22.13
Strontium Carb	17.99
EPK	17.18
Flint	22.90
3134	13.25
Chrome Oxide	0.93
Titanium Dioxide	5.61
Water	70



1-3 Second Dip



2-3 Second Dips

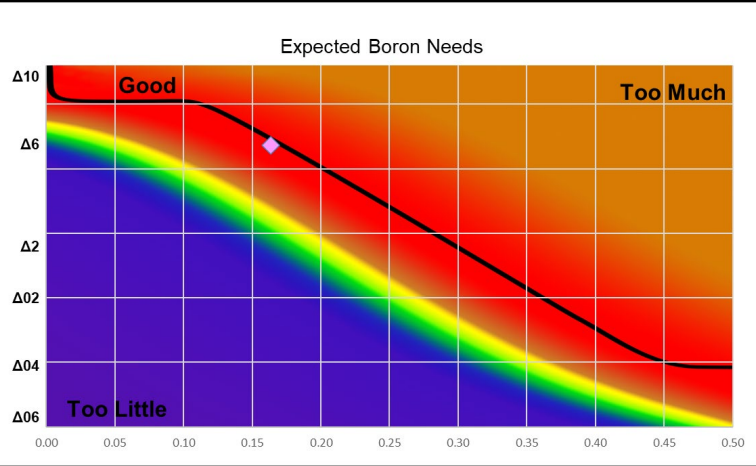
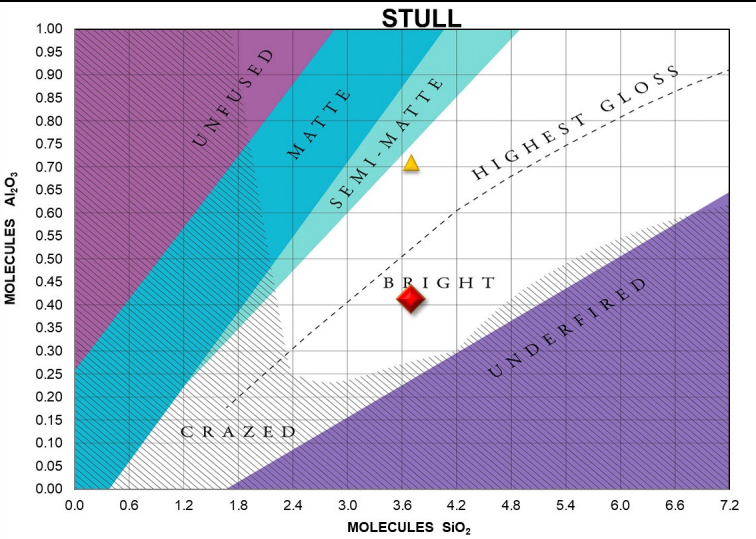


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 5.21 : 1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.70	Collective "Al ₂ O ₃ " 0.71	Na ₂ O 0.13	K ₂ O 0.11	MgO 0.00	CaO 0.23
B ₂ O ₃ 0.16	Al ₂ O ₃ 0.41	Li ₂ O 0.00	CuO 0.00	SrO 0.52	BaO 0.01
TiO ₂ 0.30	NiO 0.00	Bi ₂ O ₃ 0.00	SnO ₂ 0.00	ZnO 0.00	FeO 0.01
Cr ₂ O ₃ 0.03	ZrO ₂ 0.00	P ₂ O ₅ 0.00		MnO ₂ 0.00	CoO 0.00



Ceramic
Materials
Workshop

Glassy Eyed

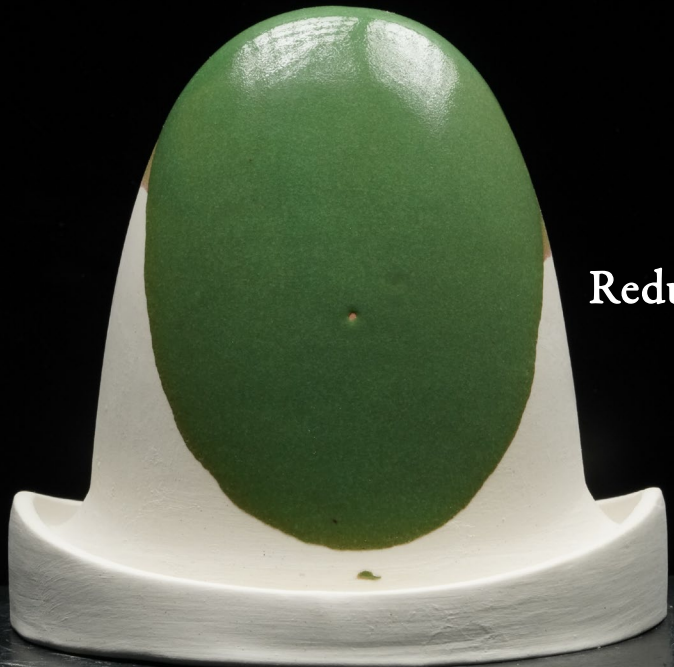
G200 EU	22.34
Strontium Carb	18.16
EPK	17.34
Flint	23.12
3134	13.38
Chrome Oxide	0.94
Tin Oxide	4.72
Water	85



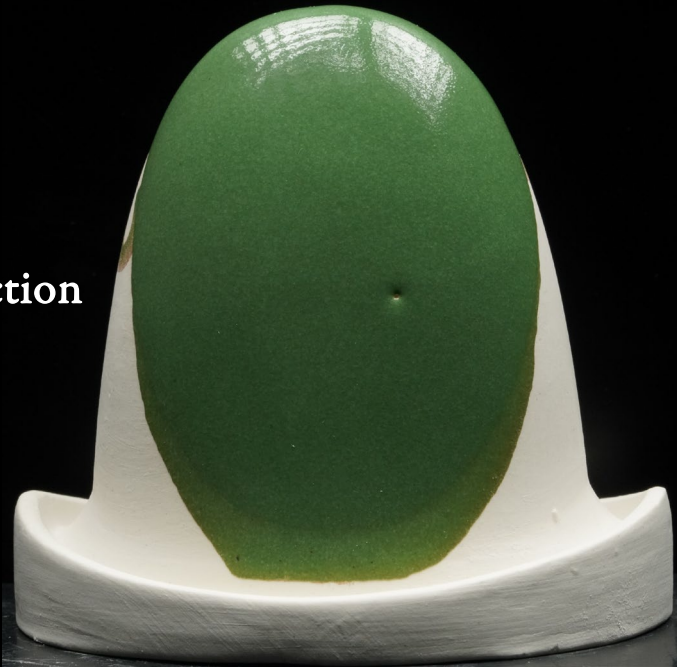
1-3 Second Dip



2-3 Second Dips

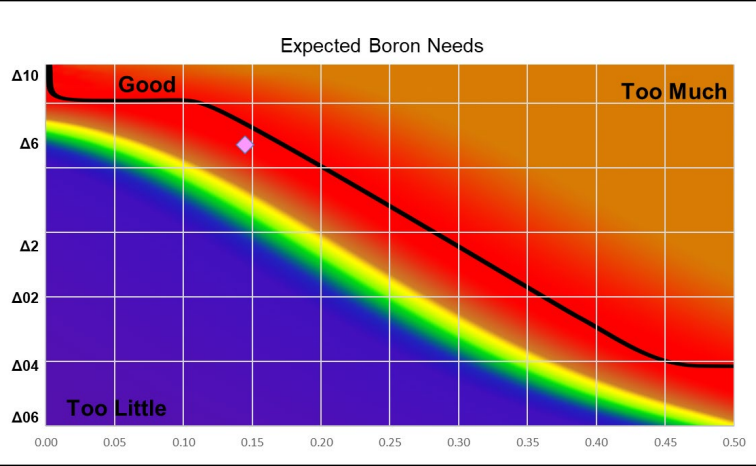
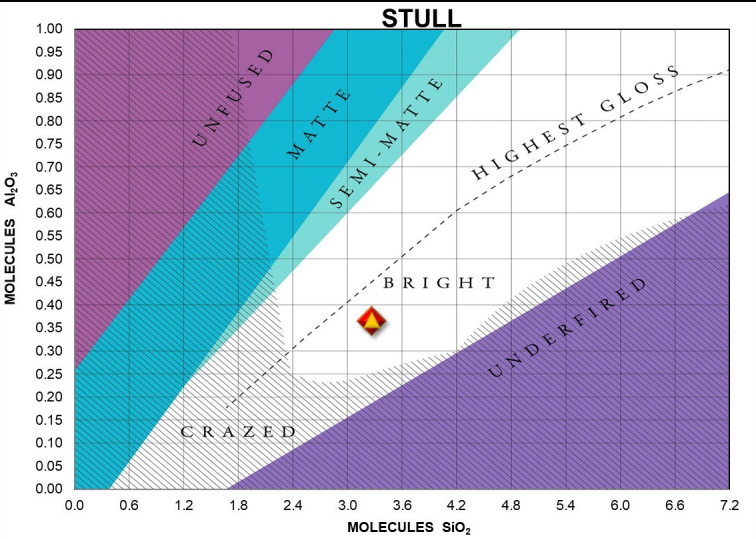


Reduction



Oxidation

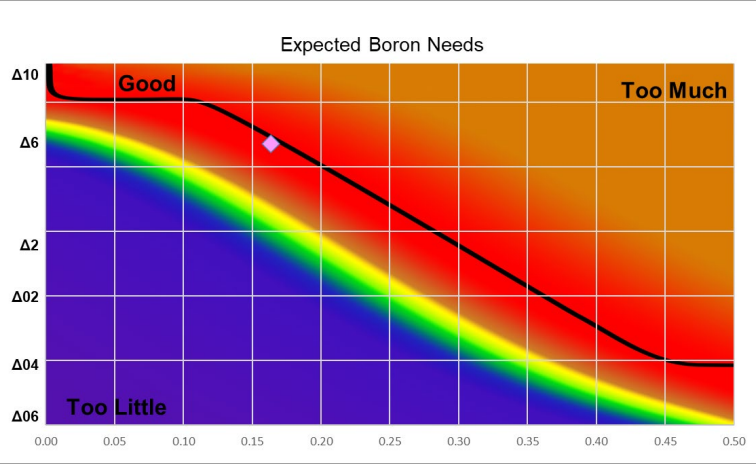
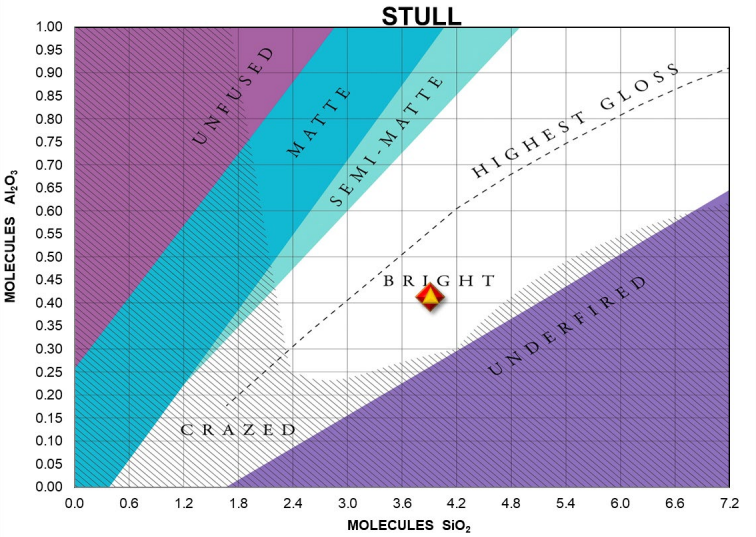
SiO ₂ :Al ₂ O ₃ Ratio 8.87 : 1		Alkali Metals 0.33		Alkaline Earths 0.67	
SiO ₂ 3.27	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.11	K ₂ O 0.10	MgO 0.00	CaO 0.20
B ₂ O ₃ 0.14	Al ₂ O ₃ 0.37	Li ₂ O	CuO	SrO 0.46	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂ 0.12	ZnO	FeO 0.01
Cr ₂ O ₃ 0.02	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



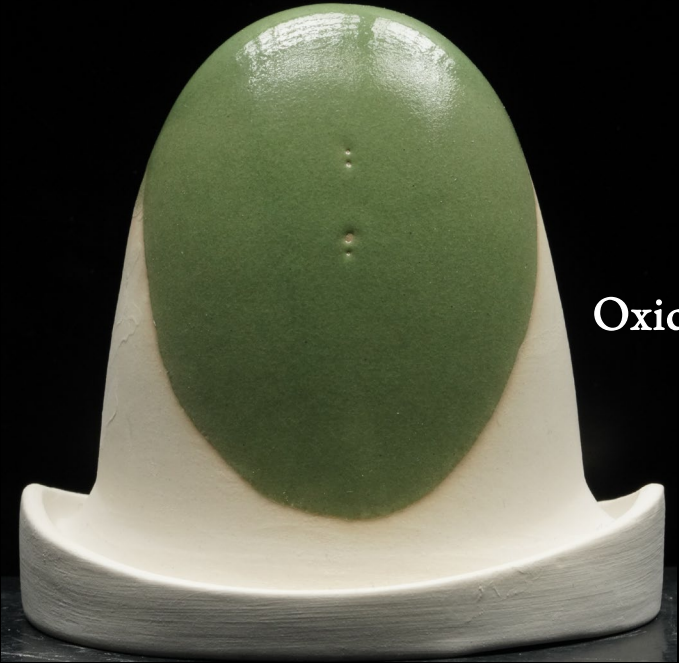
Ceramic
Materials
Workshop

Glassy Eyed

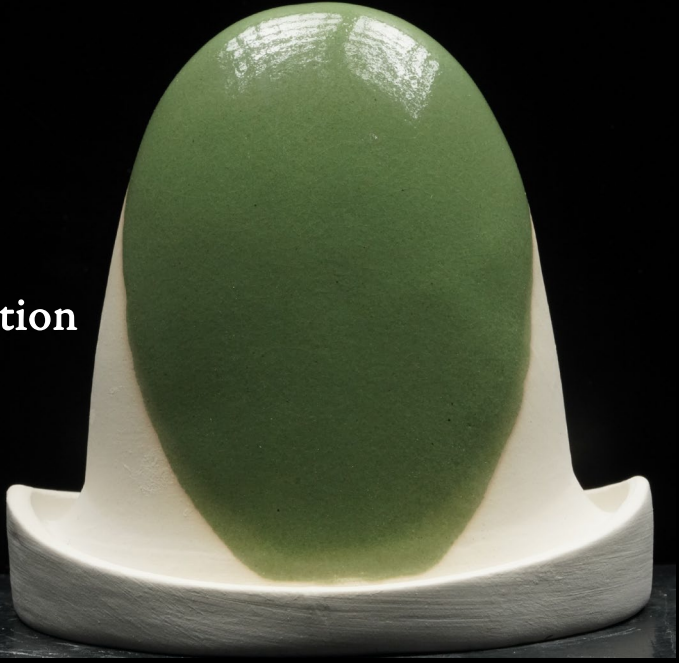
SiO ₂ :Al ₂ O ₃ Ratio 9.39 : 1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.91	Collective "Al ₂ O ₃ " 0.42	Na ₂ O 0.13	K ₂ O 0.11	MgO 0.00	CaO 0.23
B ₂ O ₃ 0.16	Al ₂ O ₃ 0.41	Li ₂ O	CuO	SrO 0.52	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃ 0.03	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



G200 EU	21.33
Strontium Carb	17.35
EPK	16.56
Flint	22.08
3134	12.77
Chrome Oxide	0.90
Ultrox (Zircopax)	9.01
Water	80



1-3 Second Dip



2-3 Second Dips



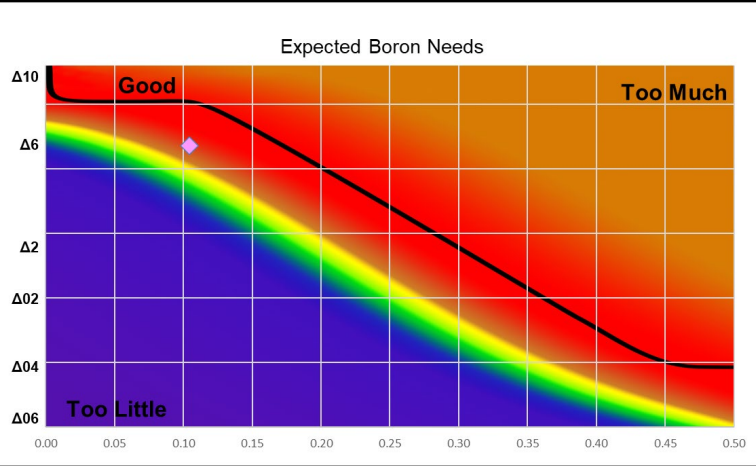
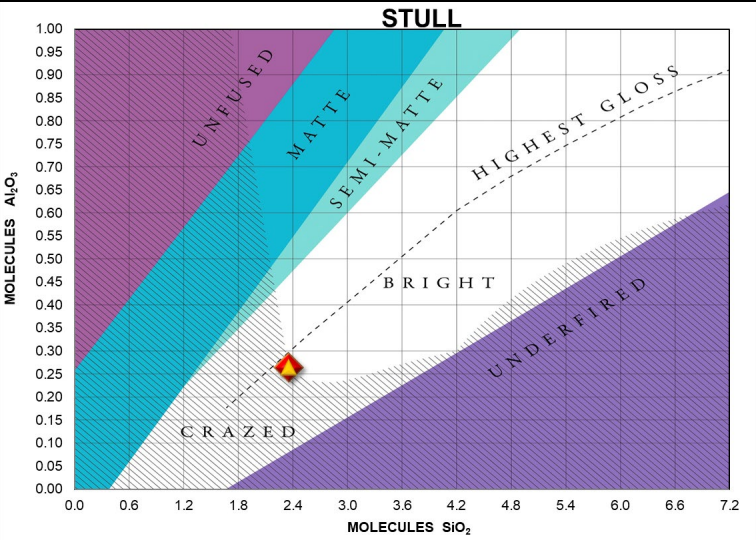
Reduction



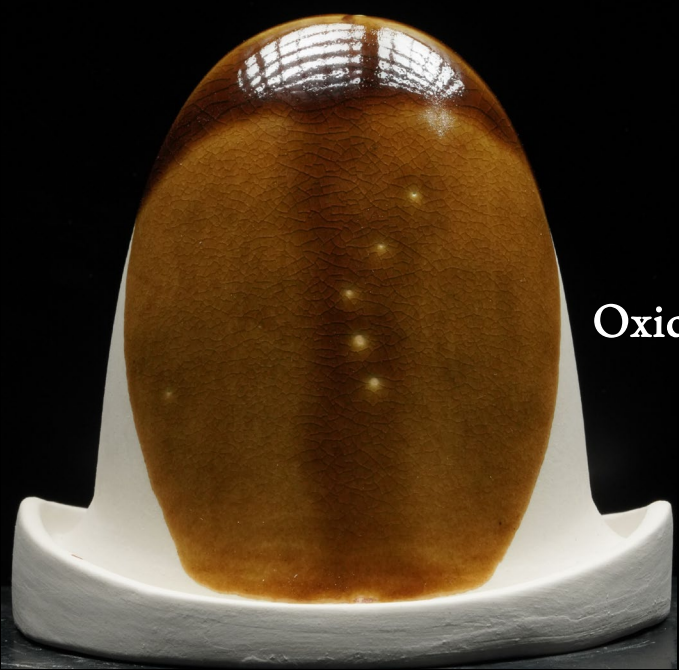
Ceramic
Materials
Workshop

Glassy Eyed

SiO ₂ :Al ₂ O ₃ Ratio 8.87 : 1		Alkali Metals 0.21		Alkaline Earths 0.79	
SiO ₂ 2.35	Collective "Al ₂ O ₃ " 0.27	Na ₂ O 0.08	K ₂ O 0.07	MgO 0.00	CaO 0.15
B ₂ O ₃ 0.10	Al ₂ O ₃ 0.26	Li ₂ O 0.00	CuO 0.06	SrO 0.33	BaO 0.00
TiO ₂ 0.00	NiO 0.00	Bi ₂ O ₃ 0.00	SnO ₂ 0.00	ZnO 0.00	FeO 0.31
Cr ₂ O ₃ 0.00	ZrO ₂ 0.00	P ₂ O ₅ 0.00		MnO ₂ 0.00	CoO 0.00



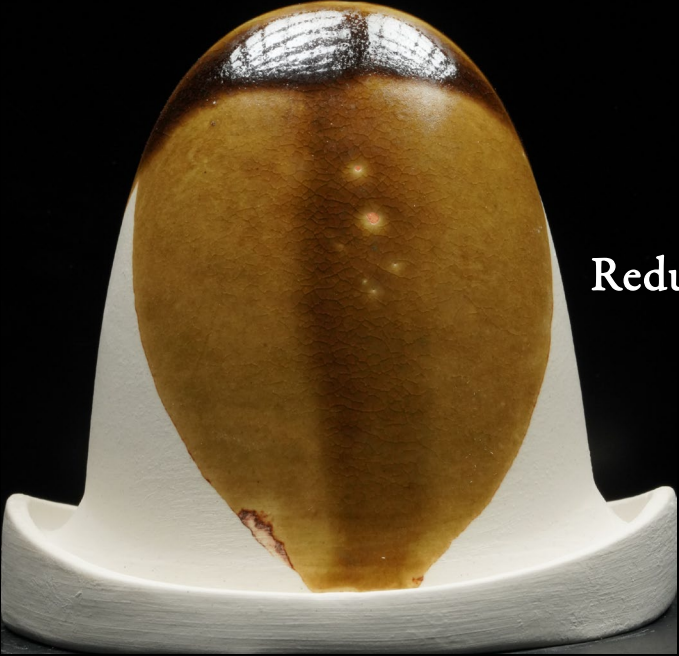
G200 EU	21.72
Strontium Carb	17.66
EPK	16.87
Flint	22.48
3134	13.01
Copper Carbonate	2.75
Red Iron Oxide	5.50
Water	75



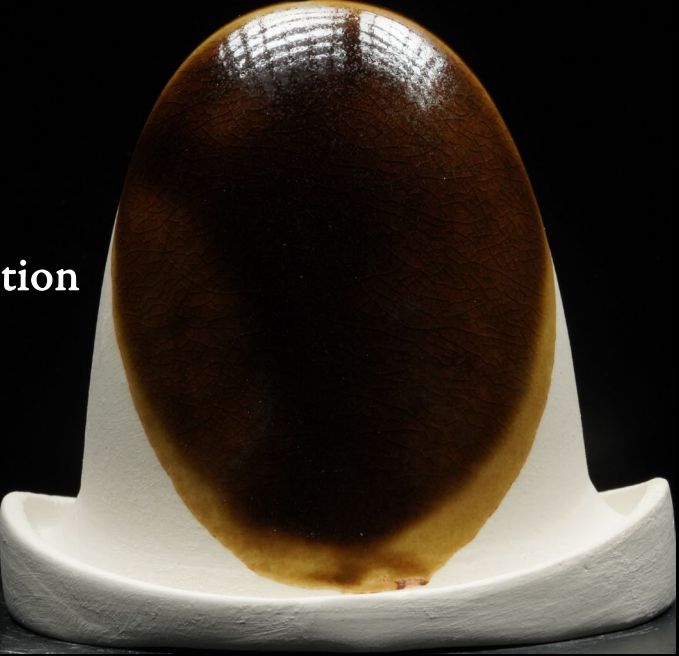
1-3 Second Dip



2-3 Second Dips



Reduction



Ceramic
Materials
Workshop

Glassy Eyed

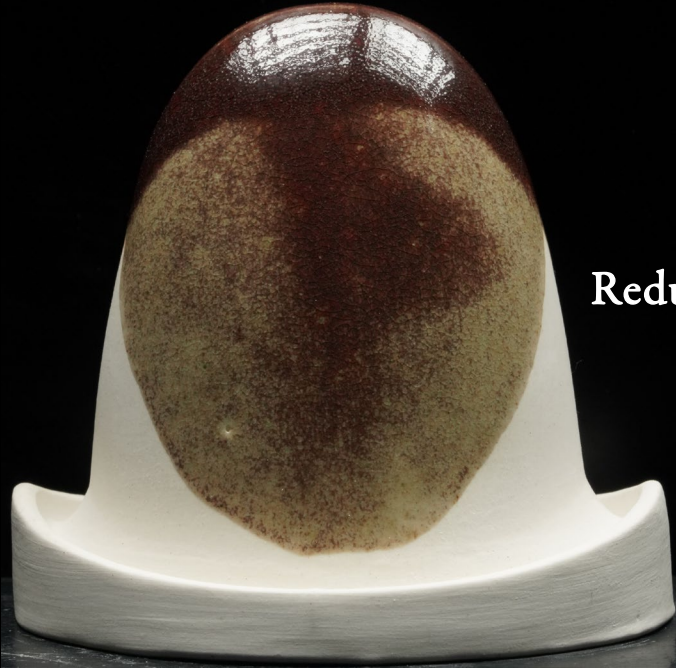
G200 EU	22.34
Strontium Carb	18.16
EPK	17.34
Flint	23.12
3134	13.38
Copper Carbonate	2.83
Manganese Dioxide	2.83
Water	85



1-3 Second Dip



2-3 Second Dips

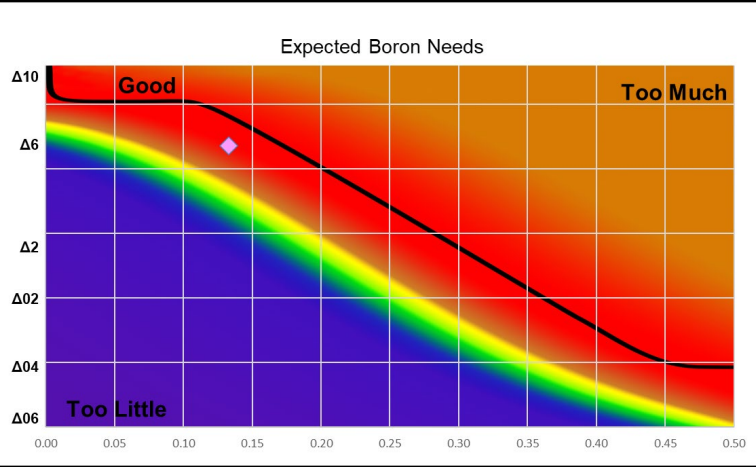
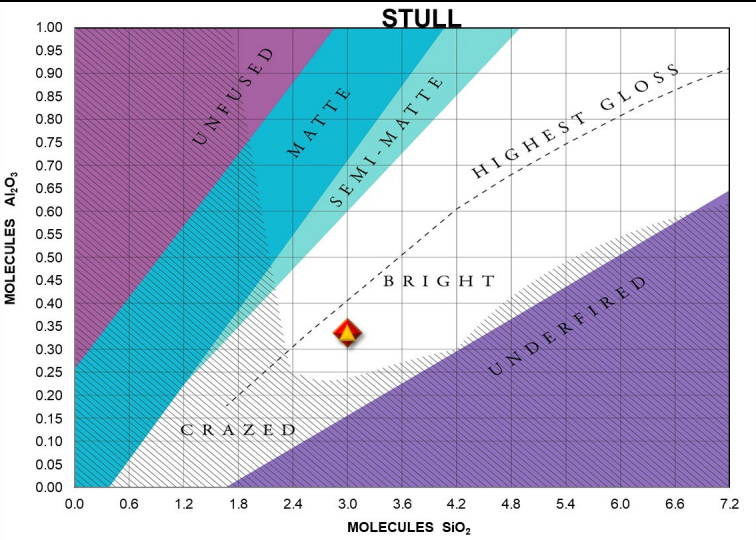


Reduction



Oxidation

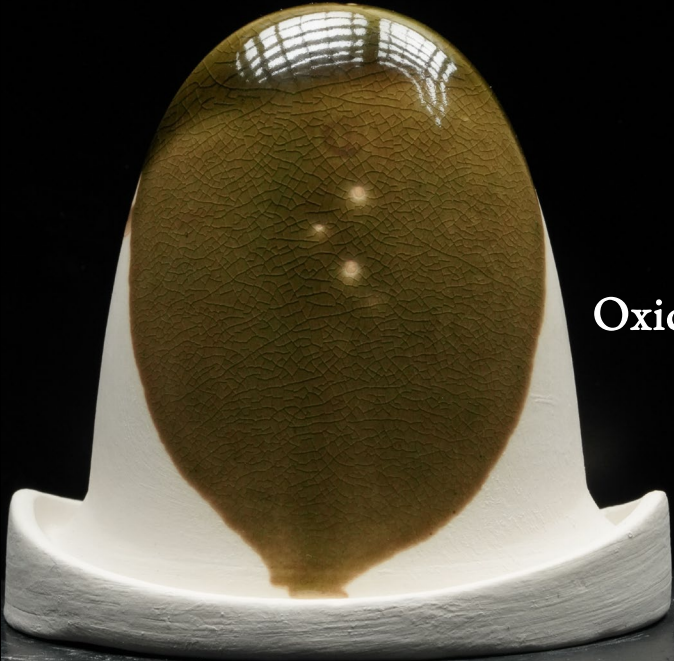
SiO ₂ :Al ₂ O ₃ Ratio 8.87 : 1		Alkali Metals 0.27		Alkaline Earths 0.73	
SiO ₂ 3.00	Collective "Al ₂ O ₃ " 0.34	Na ₂ O 0.10	K ₂ O 0.09	MgO 0.00	CaO 0.19
B ₂ O ₃ 0.13	Al ₂ O ₃ 0.34	Li ₂ O 0.00	CuO 0.08	SrO 0.42	BaO 0.01
TiO ₂ 0.00	NiO 0.00	Bi ₂ O ₃ 0.00	SnO ₂ 0.00	ZnO 0.00	FeO 0.01
Cr ₂ O ₃ 0.00	ZrO ₂ 0.00	P ₂ O ₅ 0.00		MnO ₂ 0.11	CoO 0.00



Ceramic
Materials
Workshop

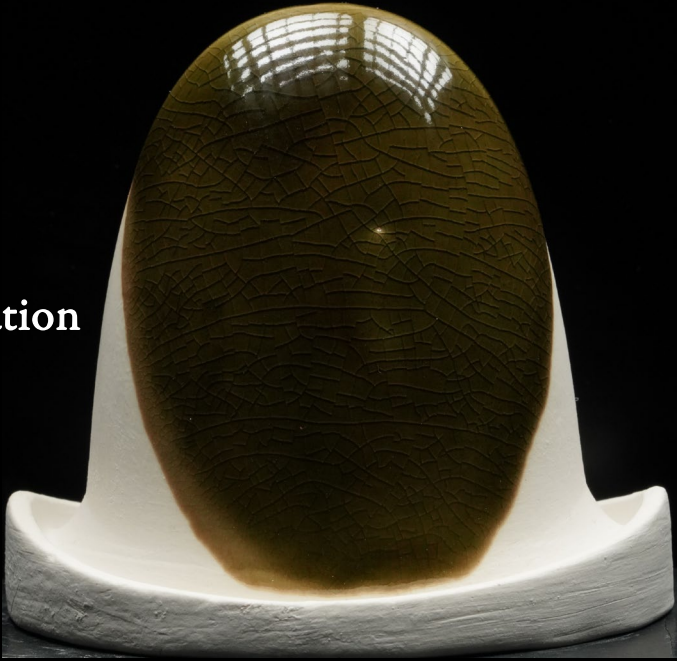
Glassy Eyed

G200 EU	22.44
Strontium Carb	18.25
EPK	17.42
Flint	23.23
3134	13.44
Copper Carbonate	2.84
Nickel Carb (Green)	2.37
Water	75



Oxidation

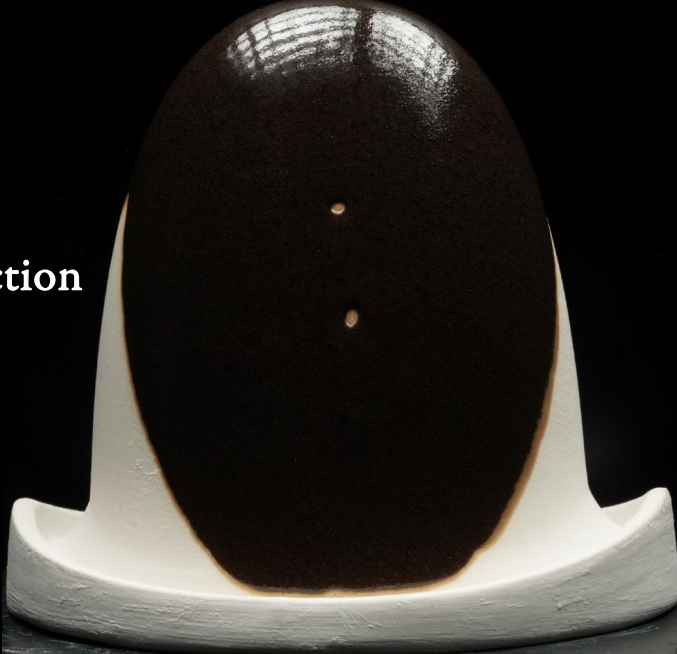
1-3 Second Dip



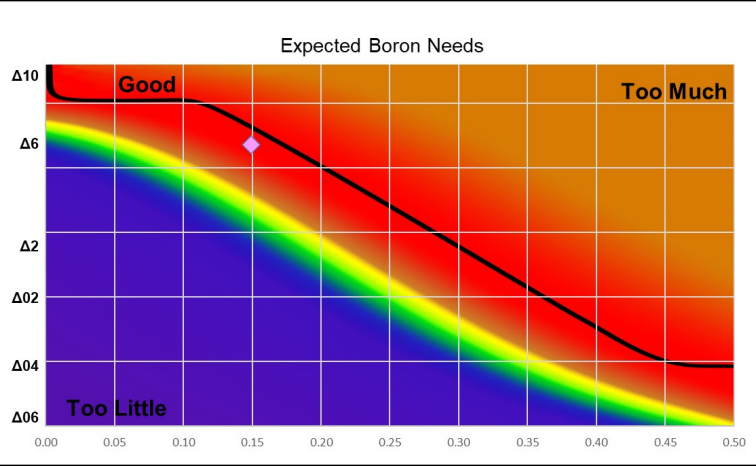
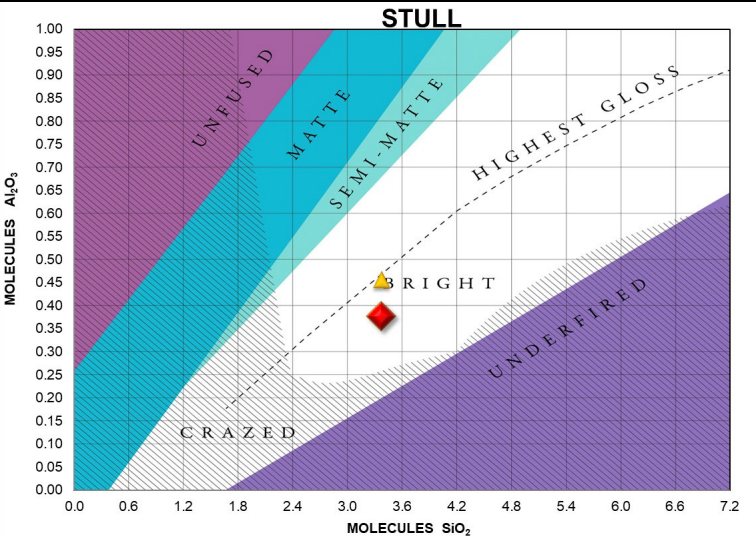
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 7.39 : 1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.37	Collective "Al ₂ O ₃ " 0.46	Na ₂ O 0.11	K ₂ O 0.10	MgO 0.00	CaO 0.21
B ₂ O ₃ 0.15	Al ₂ O ₃ 0.38	Li ₂ O 0.09	CuO 0.09	SrO 0.47	BaO 0.01
TiO ₂ 0.00	NiO 0.08	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



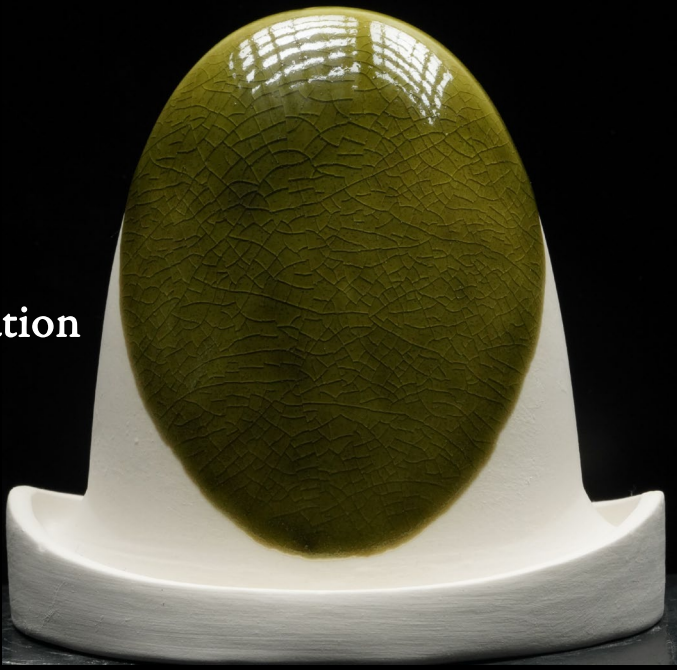
Ceramic
Materials
Workshop

Glassy Eyed

G200 EU	21.72
Strontium Carb	17.66
EPK	16.87
Flint	22.48
3134	13.01
Copper Carbonate	2.75
Titanium Dioxide	5.50
Water	80



1-3 Second Dip



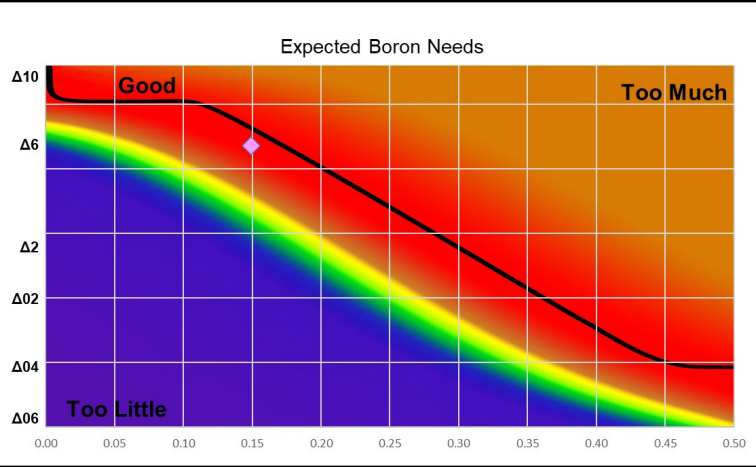
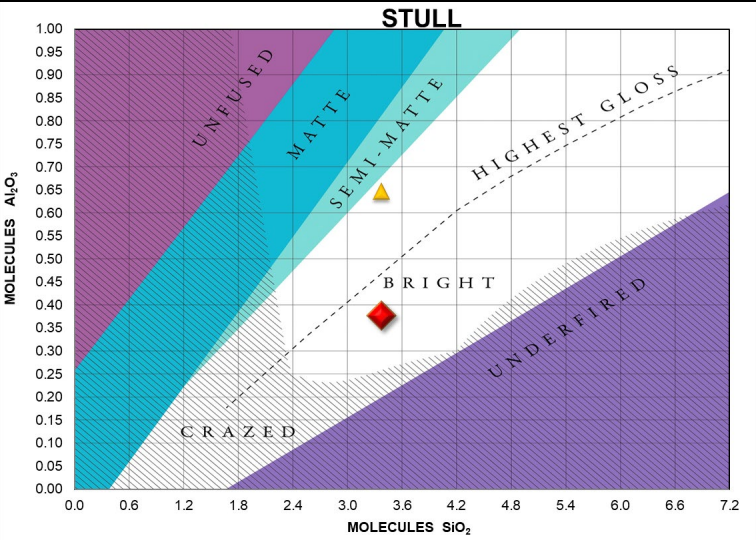
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 5.21 : 1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.37	Collective "Al ₂ O ₃ " 0.65	Na ₂ O 0.11	K ₂ O 0.10	MgO 0.00	CaO 0.21
B ₂ O ₃ 0.15	Al ₂ O ₃ 0.38	Li ₂ O 0.09	CuO 0.09	SrO 0.47	BaO 0.01
TiO ₂ 0.27	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

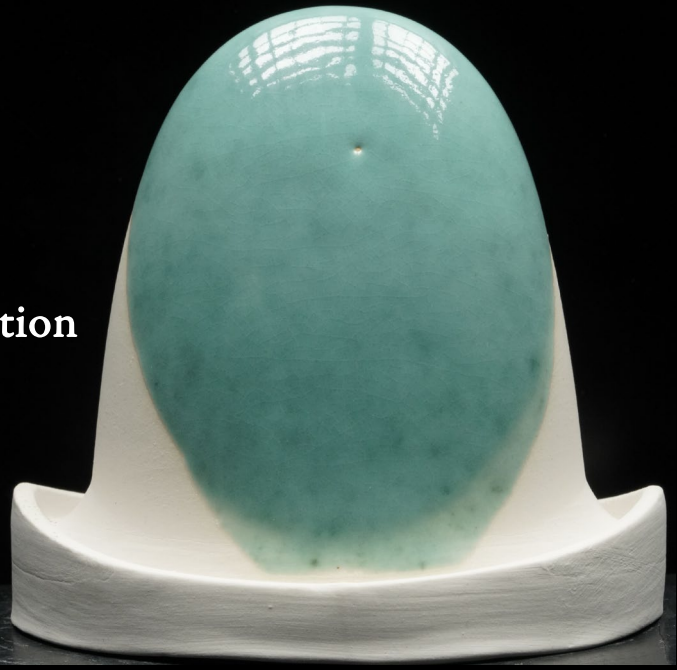
Glassy Eyed

G200 EU	21.92
Strontium Carb	17.83
EPK	17.02
Flint	22.69
3134	13.13
Copper Carbonate	2.78
Tin Oxide	4.63
Water	80



Oxidation

1-3 Second Dip



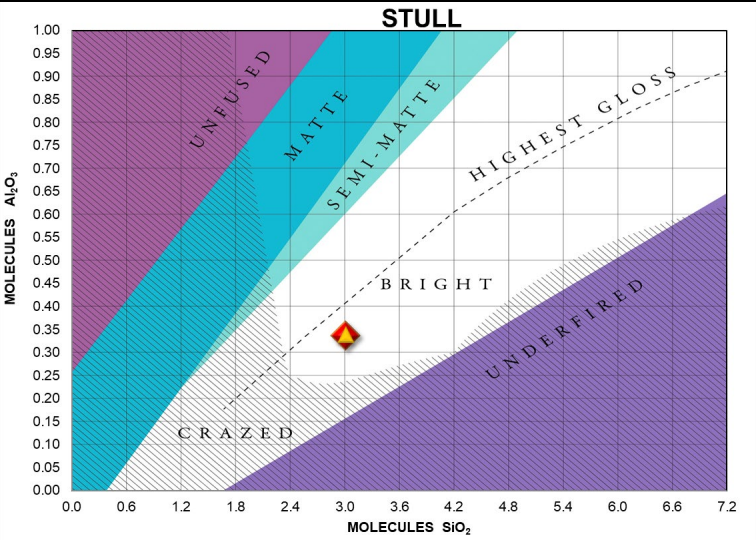
2-3 Second Dips



Reduction



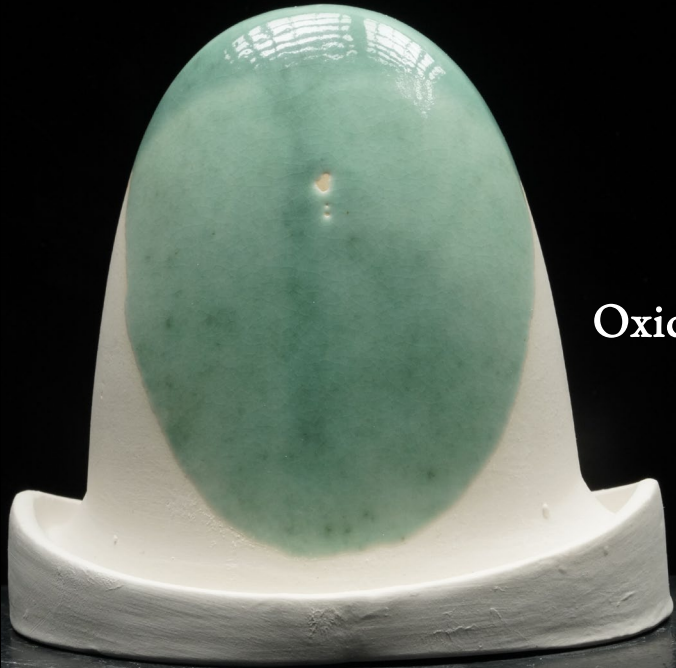
SiO ₂ :Al ₂ O ₃ Ratio 8.87 : 1		Alkali Metals 0.38		Alkaline Earths 0.62	
SiO ₂ 3.01	Collective "Al ₂ O ₃ " 0.34	Na ₂ O 0.10	K ₂ O 0.09	MgO 0.00	CaO 0.19
B ₂ O ₃ 0.13	Al ₂ O ₃ 0.34	Li ₂ O 0.00	CuO 0.08	SrO 0.42	BaO 0.01
TiO ₂ 0.00	NiO 0.00	Bi ₂ O ₃ 0.00	SnO ₂ 0.11	ZnO 0.00	FeO 0.01
Cr ₂ O ₃ 0.00	ZrO ₂ 0.00	P ₂ O ₅ 0.00		MnO ₂ 0.00	CoO 0.00



Ceramic
Materials
Workshop

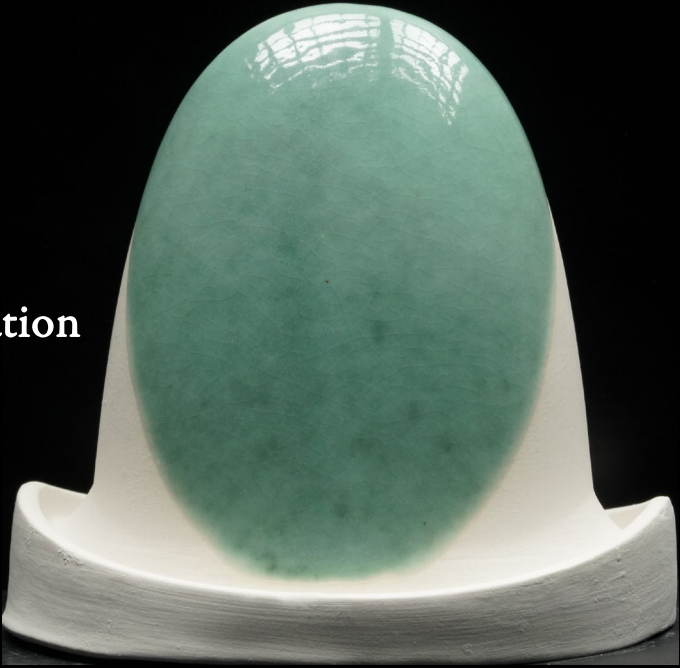
Glassy Eyed

G200 EU	20.95
Strontium Carb	17.04
EPK	16.27
Flint	21.69
3134	12.55
Copper Carbonate	2.65
Ultrox (Zircopax)	8.85
Water	80



Oxidation

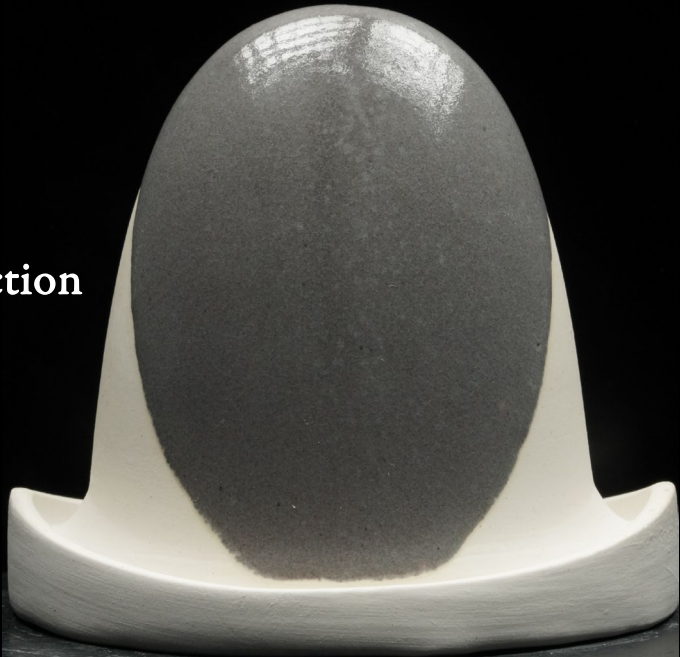
1-3 Second Dip



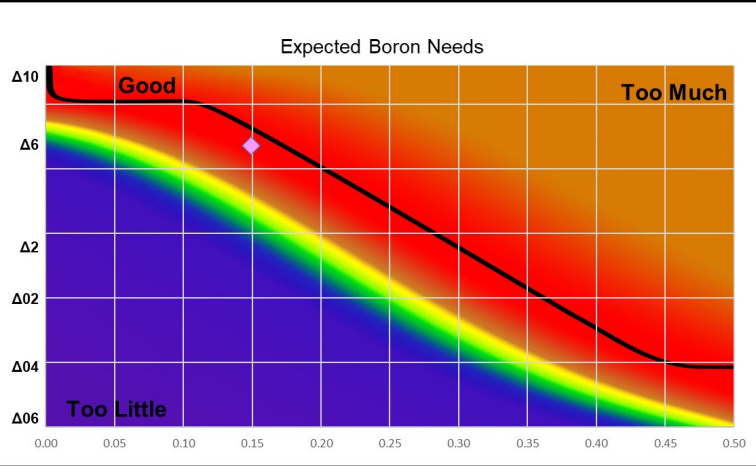
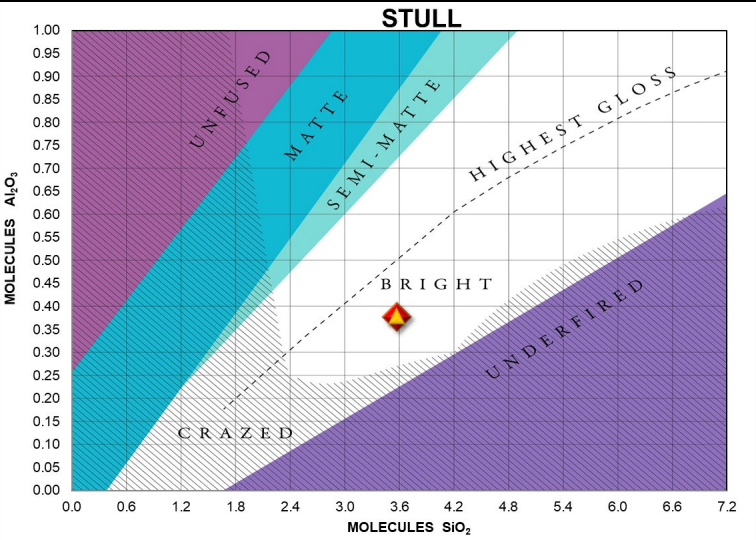
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 9.39 : 1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.57	Collective "Al ₂ O ₃ " 0.38	Na ₂ O 0.11	K ₂ O 0.10	MgO 0.00	CaO 0.21
B ₂ O ₃ 0.15	Al ₂ O ₃ 0.38	Li ₂ O 0.09	CuO 0.09	SrO 0.47	BaO 0.01
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Glassy Eyed

G200 EU	21.72
Strontium Carb	17.66
EPK	16.87
Flint	22.48
3134	13.01
Red Iron Oxide	5.50
Manganese Dioxide	2.75
Water	75



1-3 Second Dip



2-3 Second Dips

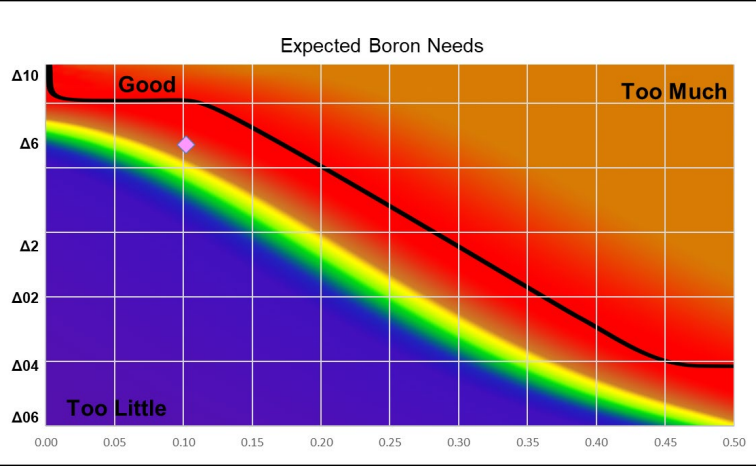
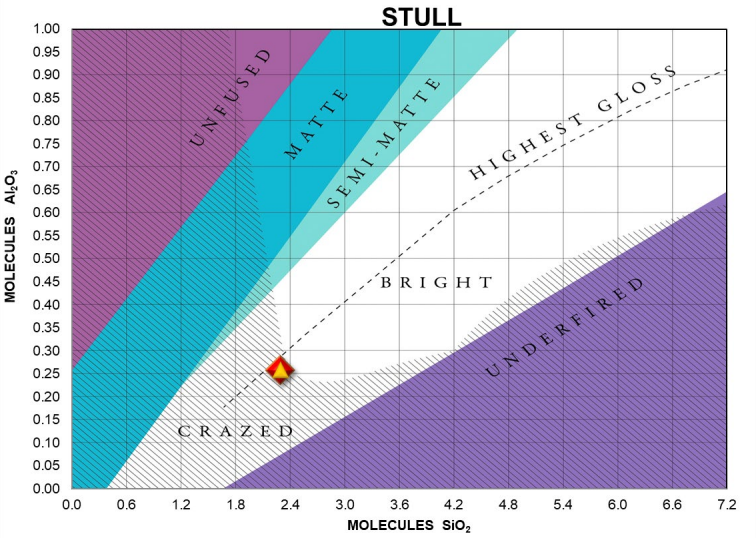
Oxidation



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 8.87 : 1		Alkali Metals 0.15		Alkaline Earths 0.85	
SiO ₂ 2.30	Collective "Al ₂ O ₃ " 0.26	Na ₂ O 0.08	K ₂ O 0.07	MgO 0.00	CaO 0.14
B ₂ O ₃ 0.10	Al ₂ O ₃ 0.26	Li ₂ O 0.00	CuO 0.00	SrO 0.32	BaO 0.00
TiO ₂ 0.00	NiO 0.00	Bi ₂ O ₃ 0.00	SnO ₂ 0.00	ZnO 0.00	FeO 0.30
Cr ₂ O ₃ 0.00	ZrO ₂ 0.00	P ₂ O ₅ 0.00		MnO ₂ 0.08	CoO 0.00



Ceramic
Materials
Workshop

Glassy Eyed

G200 EU	21.82
Strontium Carb	17.75
EPK	16.94
Flint	22.59
3134	13.07
Red Iron Oxide	5.53
Nickel Carb (Green)	2.30
Water	85



1-3 Second Dip



2-3 Second Dips

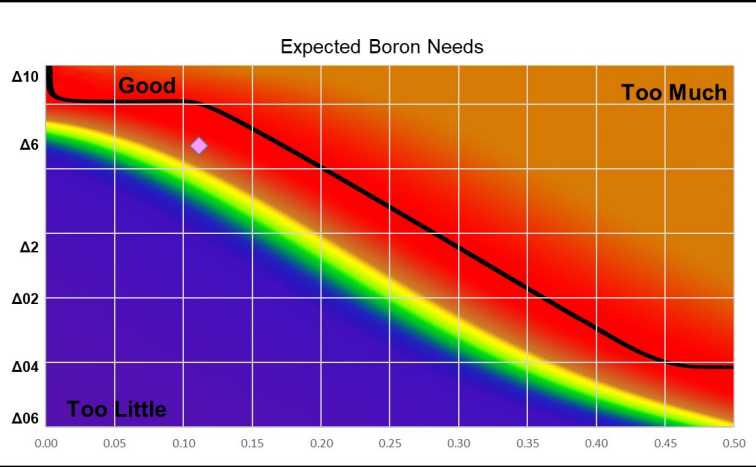
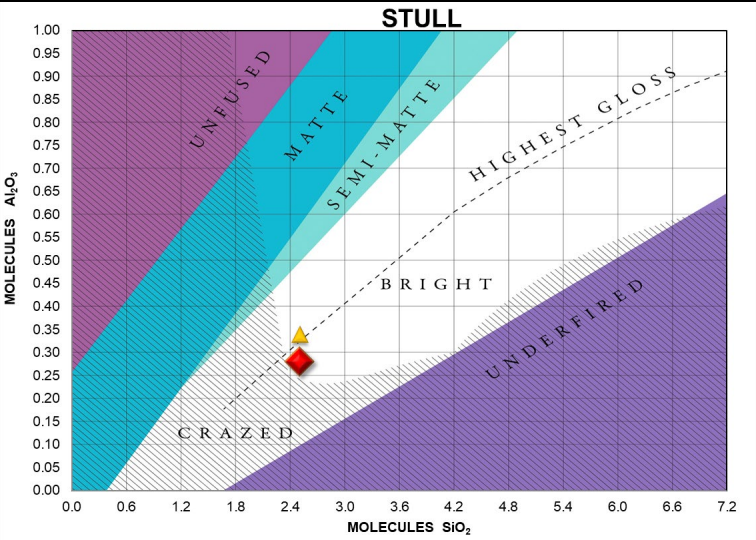


Reduction



Oxidation

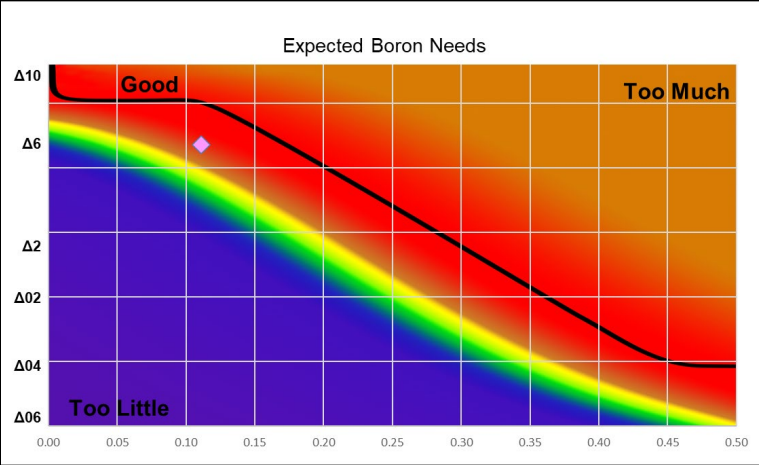
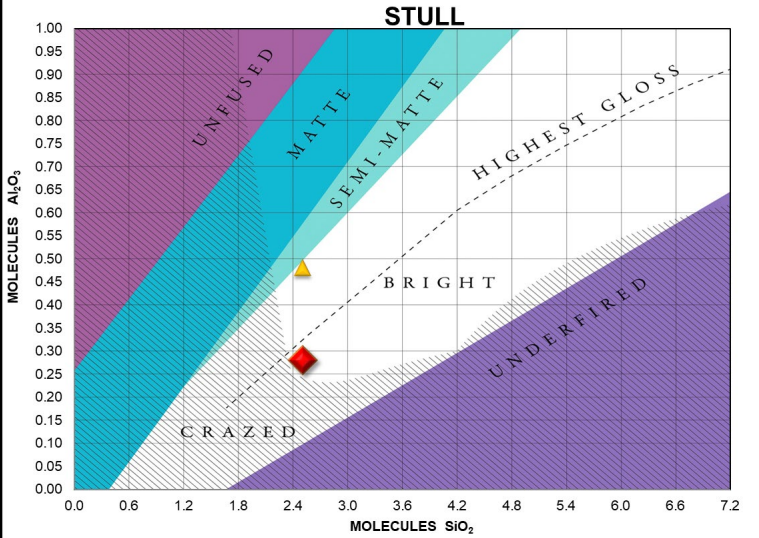
SiO ₂ :Al ₂ O ₃ Ratio 7.39 : 1		Alkali Metals 0.16		Alkaline Earths 0.84	
SiO ₂ 2.51	Collective "Al ₂ O ₃ " 0.34	Na ₂ O 0.08	K ₂ O 0.08	MgO 0.00	CaO 0.15
B ₂ O ₃ 0.11	Al ₂ O ₃ 0.28	Li ₂ O	CuO	SrO 0.35	BaO
TiO ₂ 0.00	NiO 0.06	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.33
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Glassy Eyed

SiO ₂ :Al ₂ O ₃ Ratio 5.21 : 1		Alkali Metals 0.16		Alkaline Earths 0.84	
SiO ₂ 2.51	Collective "Al ₂ O ₃ " 0.48	Na ₂ O 0.08	K ₂ O 0.08	MgO 0.00	CaO 0.15
B ₂ O ₃ 0.11	Al ₂ O ₃ 0.28	Li ₂ O	CuO	SrO 0.35	BaO
TiO ₂ 0.20	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.33
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



G200 EU	21.14
Strontium Carb	17.19
EPK	16.41
Flint	21.88
3134	12.66
Red Iron Oxide	5.36
Titanium Dioxide	5.36
Water	75



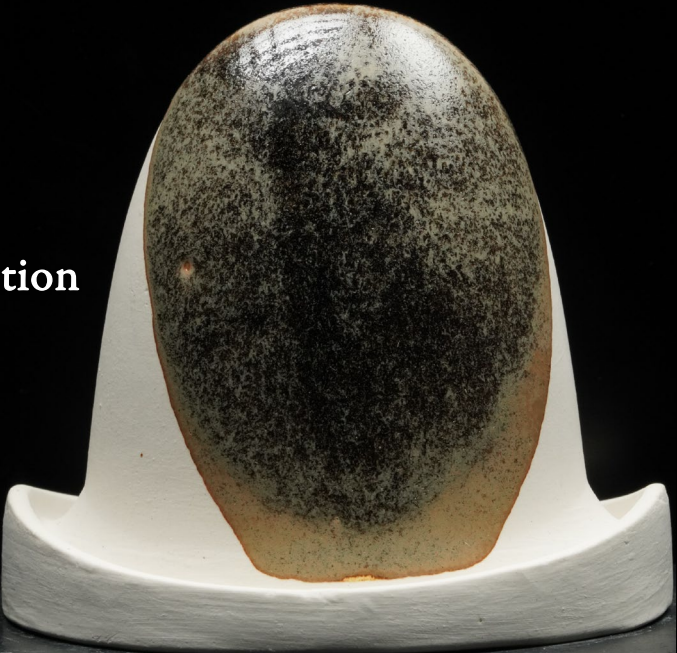
1-3 Second Dip



2-3 Second Dips



Reduction



Ceramic
Materials
Workshop

Glassy Eyed

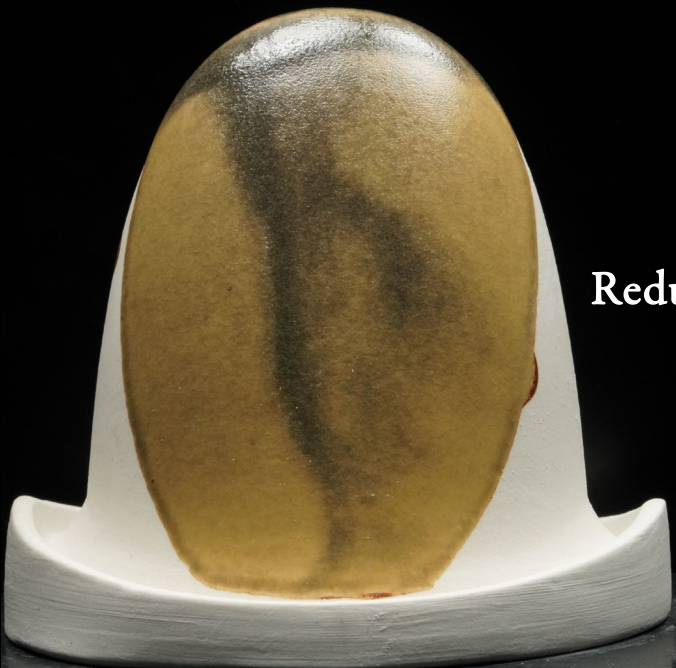
G200 EU	21.33
Strontium Carb	17.35
EPK	16.56
Flint	22.08
3134	12.77
Red Iron Oxide	5.41
Tin Oxide	4.50
Water	80



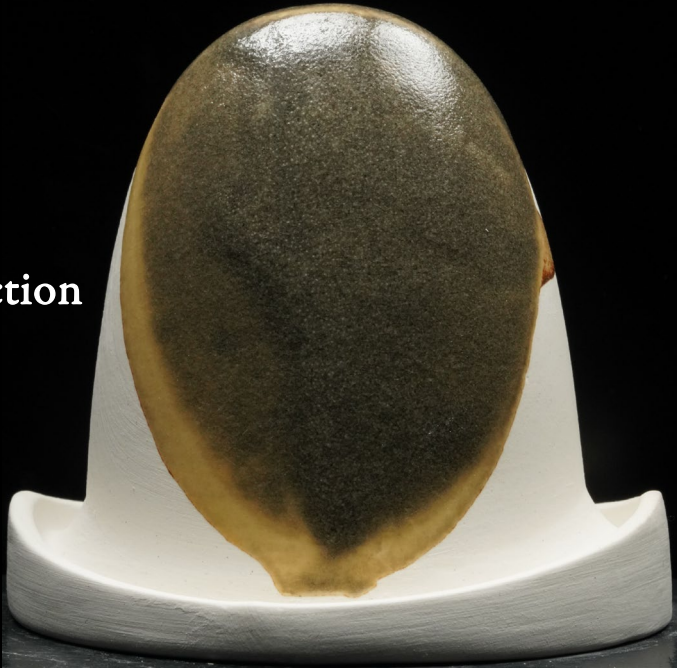
1-3 Second Dip



2-3 Second Dips

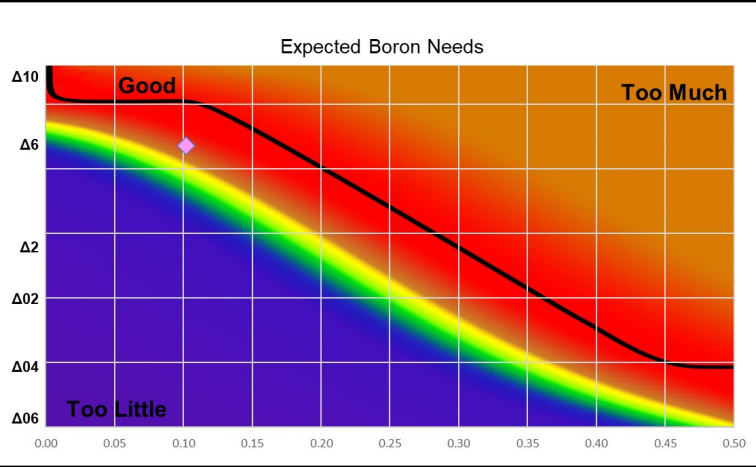
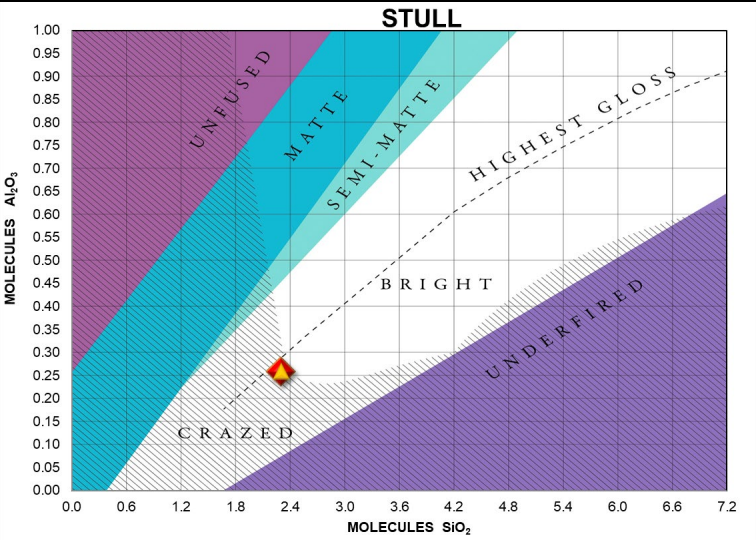


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 8.87 : 1		Alkali Metals 0.23		Alkaline Earths 0.77	
SiO ₂ 2.30	Collective "Al ₂ O ₃ " 0.26	Na ₂ O 0.08	K ₂ O 0.07	MgO 0.00	CaO 0.14
B ₂ O ₃ 0.10	Al ₂ O ₃ 0.26	Li ₂ O	CuO	SrO 0.32	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂ 0.08	ZnO	FeO 0.30
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Glassy Eyed

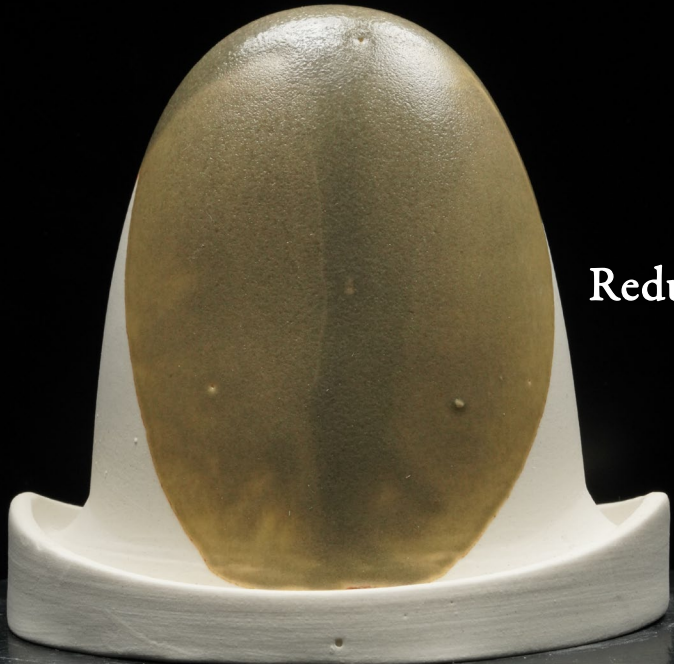
G200 EU	20.41
Strontium Carb	16.60
EPK	15.85
Flint	21.13
3134	12.22
Red Iron Oxide	5.17
Zircopax	8.62
Water	80



1-3 Second Dip



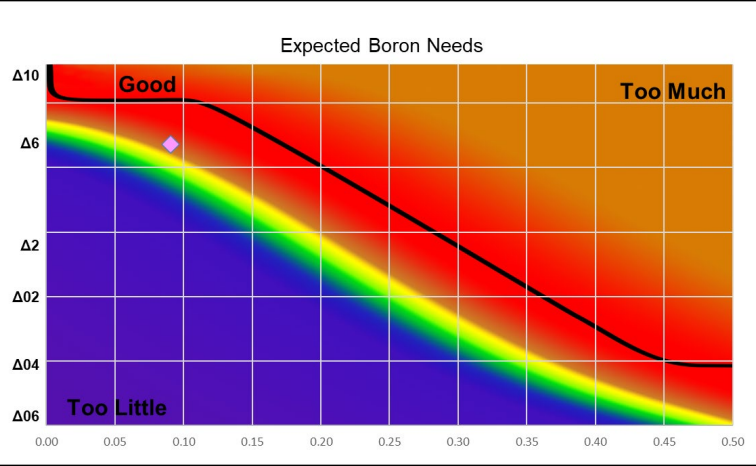
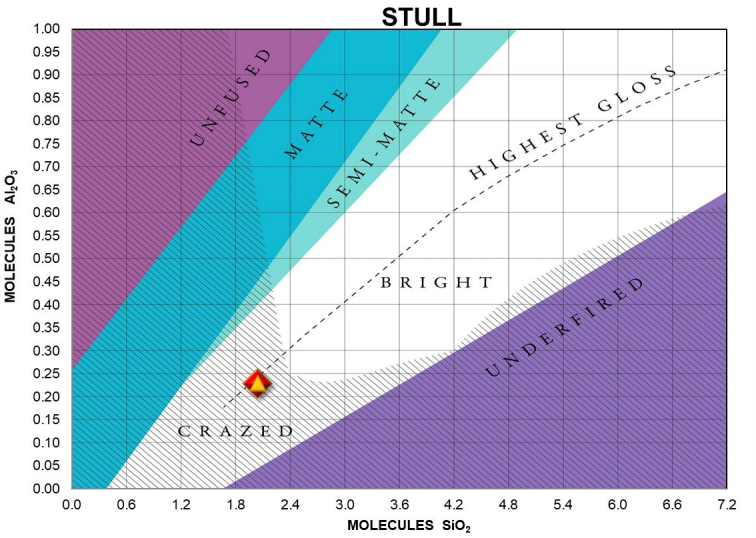
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 8.87 : 1		Alkali Metals 0.13		Alkaline Earths 0.87	
SiO ₂ 2.05	Collective "Al ₂ O ₃ " 0.23	Na ₂ O 0.07	K ₂ O 0.06	MgO 0.00	CaO 0.13
B ₂ O ₃ 0.09	Al ₂ O ₃ 0.23	Li ₂ O	CuO	SrO 0.29	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.27
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.18



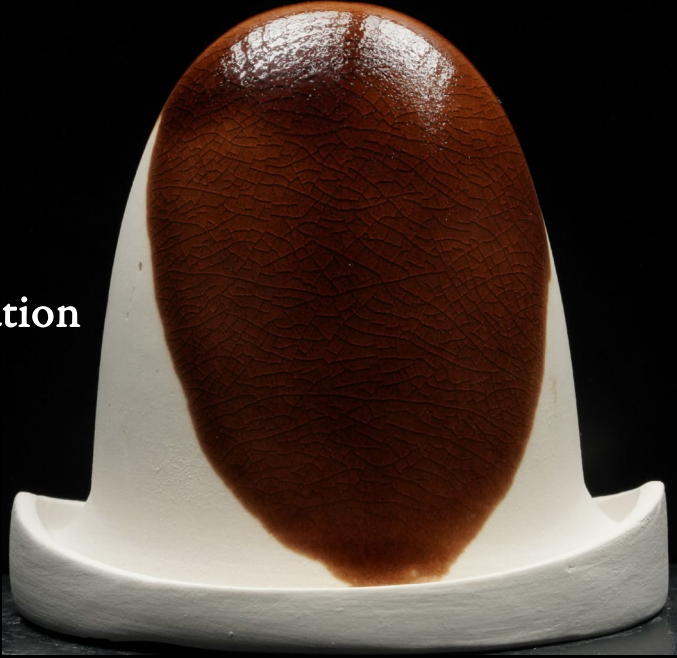
Ceramic
Materials
Workshop

Glassy Eyed

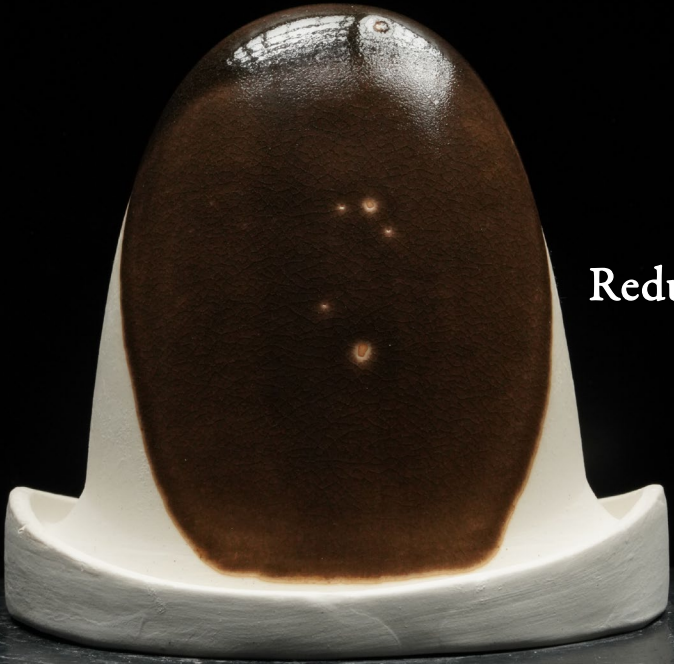
G200 EU	22.44
Strontium Carb	18.25
EPK	17.42
Flint	23.23
3134	13.44
Manganese Dioxide	2.84
Nickel Carb (Green)	2.37
Water	80



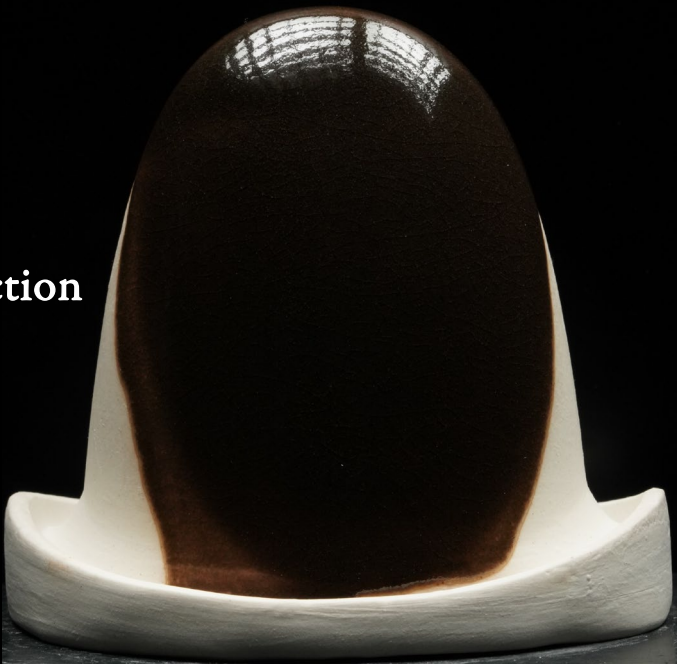
1-3 Second Dip



2-3 Second Dips

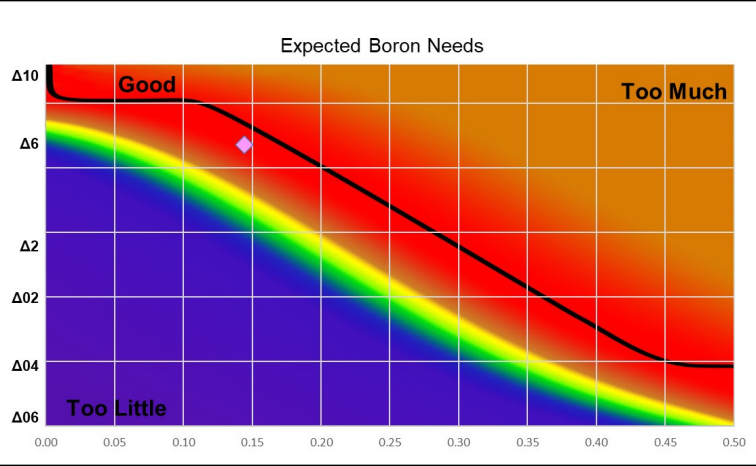
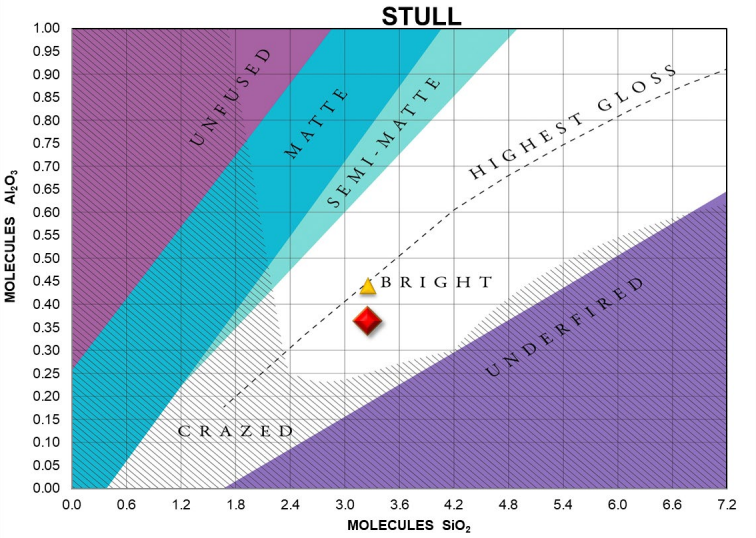


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 7.39 : 1		Alkali Metals 0.21		Alkaline Earths 0.79	
SiO ₂ 3.25	Collective "Al ₂ O ₃ " 0.44	Na ₂ O 0.11	K ₂ O 0.10	MgO 0.00	CaO 0.20
B ₂ O ₃ 0.14	Al ₂ O ₃ 0.36	Li ₂ O 0.00	CuO 0.00	SrO 0.45	BaO 0.01
TiO ₂ 0.00	NiO 0.07	Bi ₂ O ₃ 0.00	SnO ₂ 0.00	ZnO 0.00	FeO 0.01
Cr ₂ O ₃ 0.00	ZrO ₂ 0.00	P ₂ O ₅ 0.00		MnO ₂ 0.12	CoO 0.00



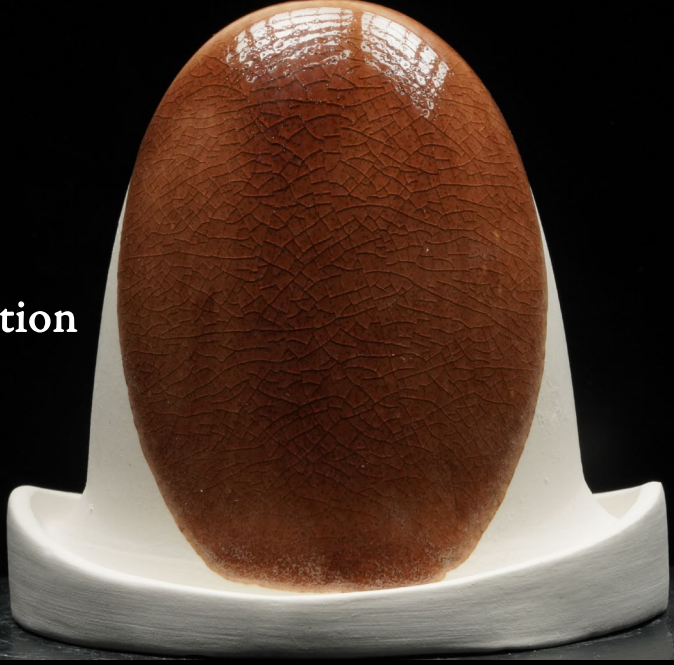
Ceramic
Materials
Workshop

Glassy Eyed

G200 EU	21.72
Strontium Carb	17.66
EPK	16.87
Flint	22.48
3134	13.01
Manganese Dioxide	2.75
Titanium Dioxide	5.50
Water	75



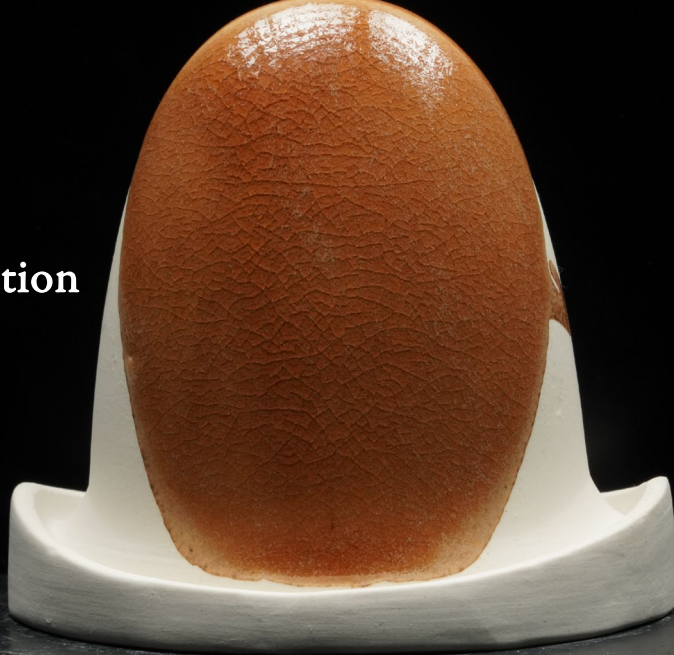
1-3 Second Dip



2-3 Second Dips

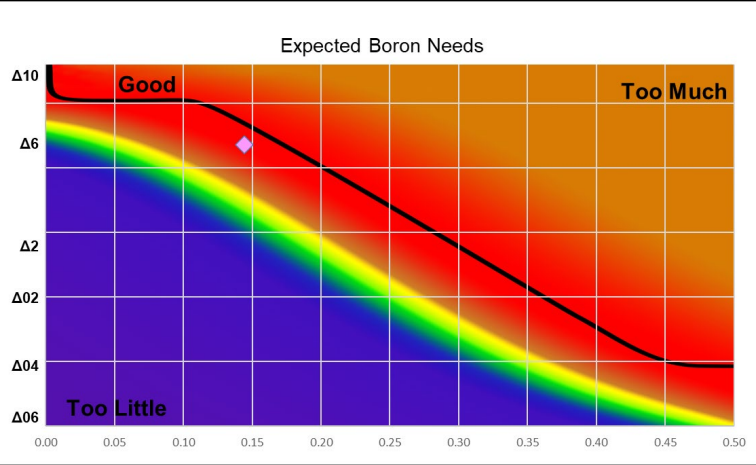
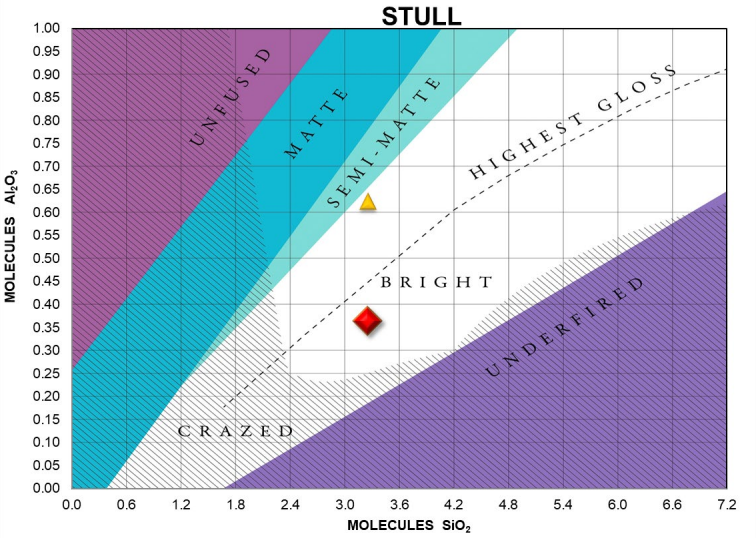


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 5.21 : 1		Alkali Metals 0.21		Alkaline Earths 0.79	
SiO ₂ 3.25	Collective "Al ₂ O ₃ " 0.62	Na ₂ O 0.11	K ₂ O 0.10	MgO 0.00	CaO 0.20
B ₂ O ₃ 0.14	Al ₂ O ₃ 0.36	Li ₂ O	CuO	SrO 0.45	BaO
TiO ₂ 0.26	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂ 0.12	CoO



Ceramic
Materials
Workshop

Glassy Eyed

G200 EU	21.92
Strontium Carb	17.83
EPK	17.02
Flint	22.69
3134	13.13
Manganese Dioxide	2.78
Tin Oxide	4.63
Water	75



Oxidation

1-3 Second Dip

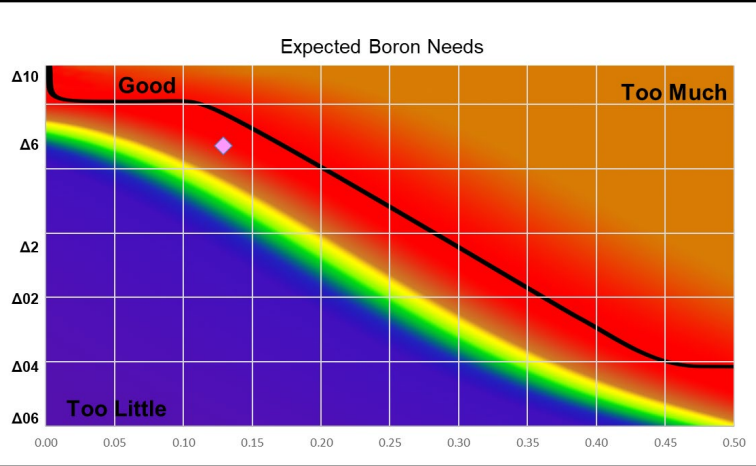
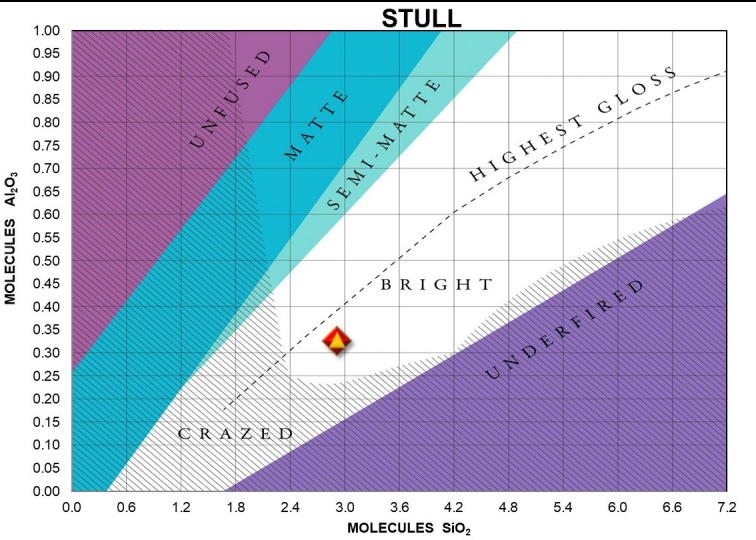


2-3 Second Dips



Reduction

SiO ₂ :Al ₂ O ₃ Ratio 8.87 : 1		Alkali Metals 0.29		Alkaline Earths 0.71	
SiO ₂ 2.92	Collective "Al ₂ O ₃ " 0.33	Na ₂ O 0.10	K ₂ O 0.09	MgO 0.00	CaO 0.18
B ₂ O ₃ 0.13	Al ₂ O ₃ 0.33	Li ₂ O 0.00	CuO 0.00	SrO 0.41	BaO 0.00
TiO ₂ 0.00	NiO 0.00	Bi ₂ O ₃ 0.00	SnO ₂ 0.10	ZnO 0.00	FeO 0.01
Cr ₂ O ₃ 0.00	ZrO ₂ 0.00	P ₂ O ₅ 0.00		MnO ₂ 0.11	CoO 0.00



Ceramic
Materials
Workshop

Glassy Eyed

SiO ₂ :Al ₂ O ₃ Ratio 9.39 : 1		Alkali Metals 0.21		Alkaline Earths 0.79	
SiO ₂ 3.44	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.11	K ₂ O 0.10	MgO 0.00	CaO 0.20
B ₂ O ₃ 0.14	Al ₂ O ₃ 0.36	Li ₂ O 0.00	CuO 0.00	SrO 0.45	BaO 0.01
TiO ₂ 0.00	NiO 0.00	Bi ₂ O ₃ 0.00	SnO ₂ 0.00	ZnO 0.00	FeO 0.01
Cr ₂ O ₃ 0.00	ZrO ₂ 0.00	P ₂ O ₅ 0.00		MnO ₂ 0.12	CoO 0.00

G200 EU	20.95
Strontium Carb	17.04
EPK	16.27
Flint	21.69
3134	12.55
Manganese Dioxide	2.65
Ultrox (Zircopax)	8.85
Water	75



1-3 Second Dip



2-3 Second Dips

Oxidation

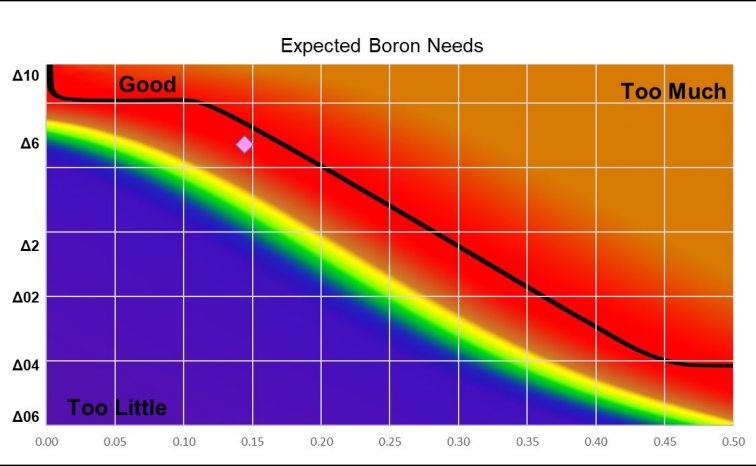
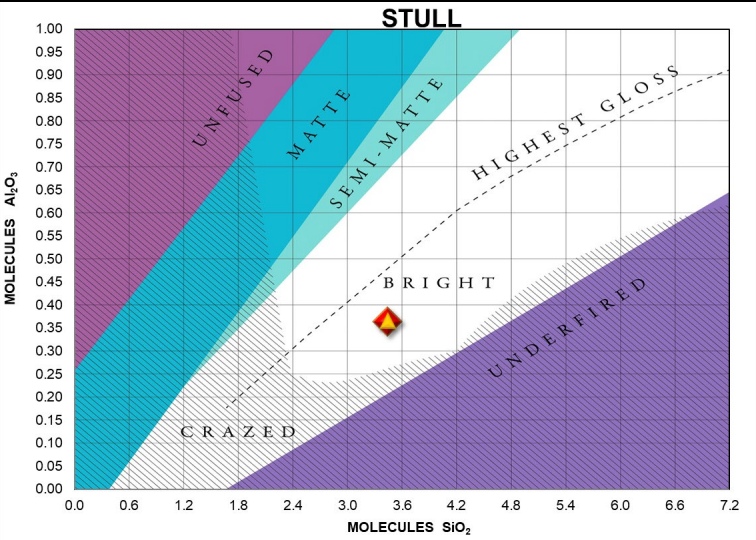


1-3 Second Dip



2-3 Second Dips

Reduction



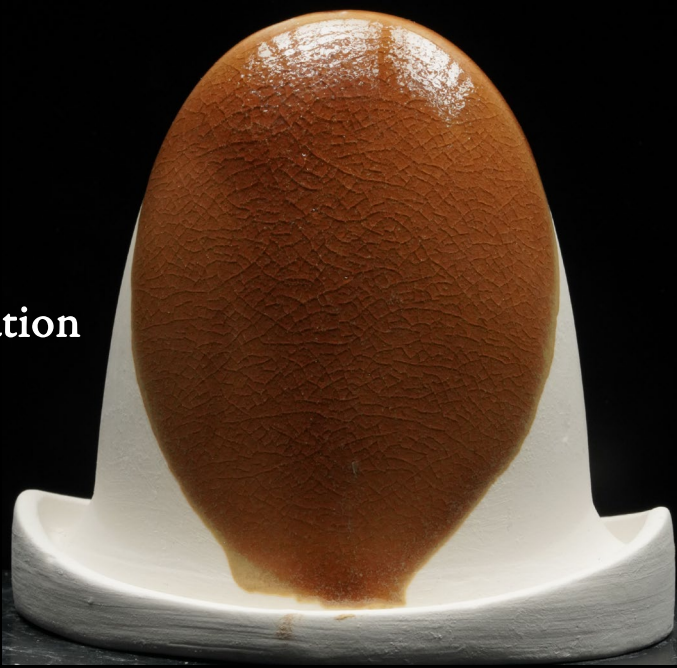
Ceramic
Materials
Workshop

Glassy Eyed

G200 EU	21.82
Strontium Carb	17.75
EPK	16.94
Flint	22.59
3134	13.07
Nickel Carb (Green)	2.30
Titanium Dioxide	5.53
Water	75



1-3 Second Dip



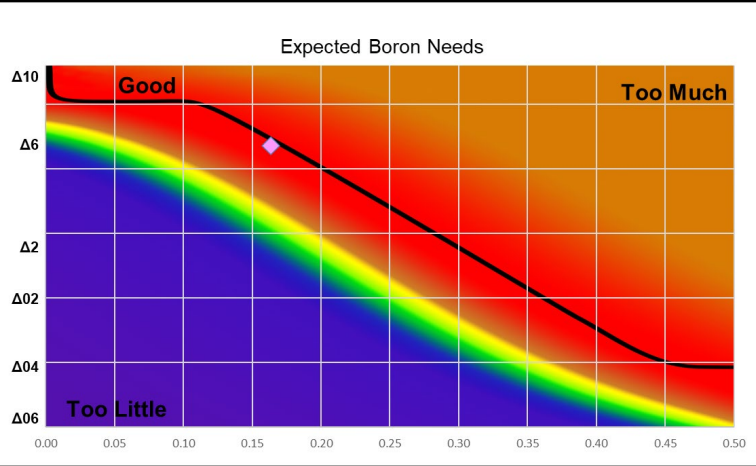
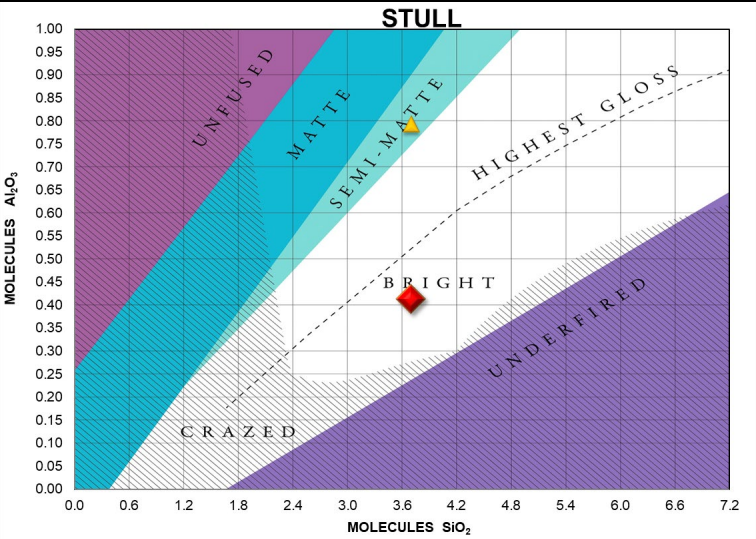
2-3 Second Dips



Reduction



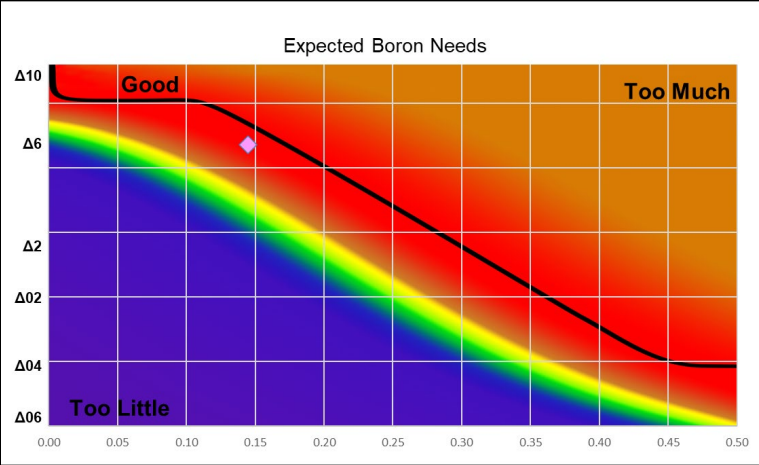
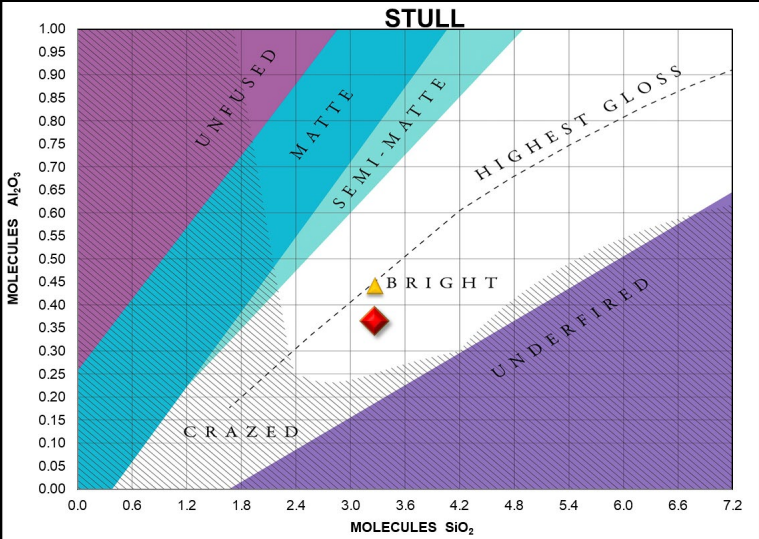
SiO ₂ :Al ₂ O ₃ Ratio 4.66 : 1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.70	Collective "Al ₂ O ₃ " 0.79	Na ₂ O 0.13	K ₂ O 0.11	MgO 0.00	CaO 0.23
B ₂ O ₃ 0.16	Al ₂ O ₃ 0.41	Li ₂ O	CuO	SrO 0.52	BaO
TiO ₂ 0.30	NiO 0.08	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Glassy Eyed

SiO ₂ :Al ₂ O ₃ Ratio 7.39 : 1		Alkali Metals 0.33		Alkaline Earths 0.67	
SiO ₂ 3.27	Collective "Al ₂ O ₃ " 0.44	Na ₂ O 0.11	K ₂ O 0.10	MgO 0.00	CaO 0.20
B ₂ O ₃ 0.14	Al ₂ O ₃ 0.37	Li ₂ O 0.00	CuO 0.00	SrO 0.46	BaO 0.00
TiO ₂ 0.00	NiO 0.07	Bi ₂ O ₃ 0.00	SnO ₂ 0.12	ZnO 0.00	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



G200 EU	22.02
Strontium Carb	17.91
EPK	17.10
Flint	22.80
3134	13.19
Nickel Carb (Green)	2.33
Tin Oxide	4.65
Water	75

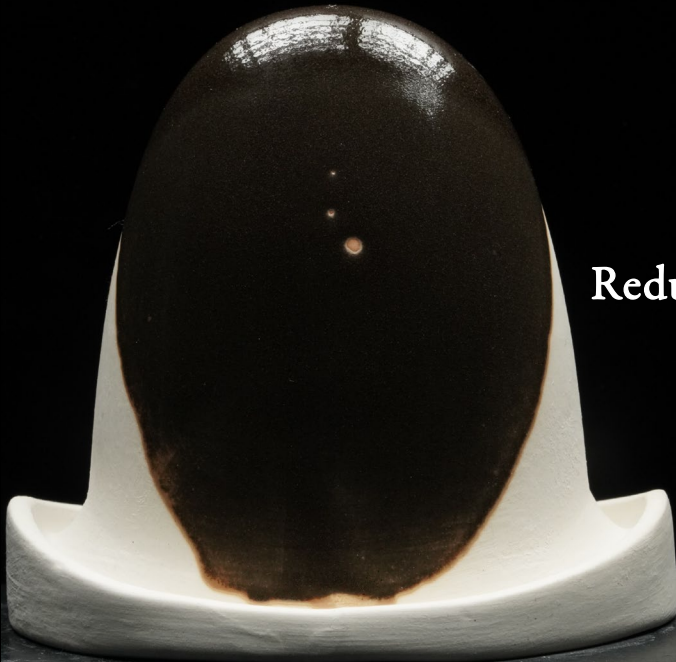


1-3 Second Dip



2-3 Second Dips

Oxidation



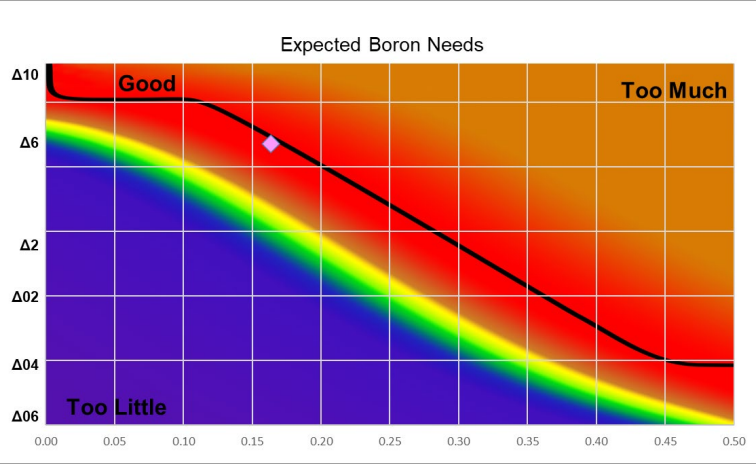
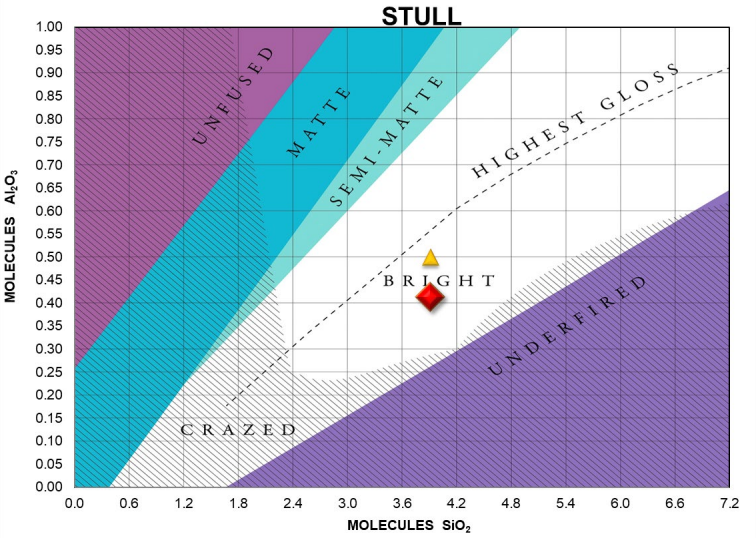
Reduction



Ceramic
Materials
Workshop

Glassy Eyed

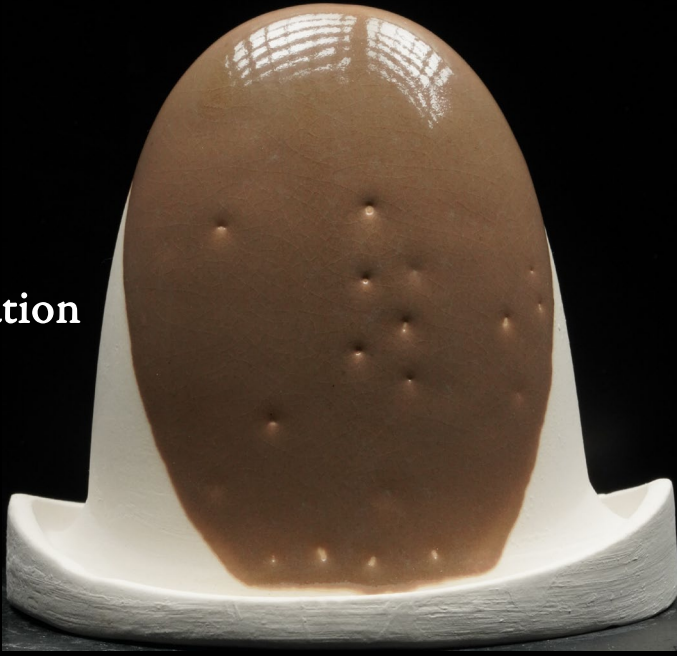
SiO ₂ :Al ₂ O ₃ Ratio 7.83 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.91	Collective "Al ₂ O ₃ " 0.50	Na ₂ O 0.13	K ₂ O 0.11	MgO 0.00	CaO 0.23
B ₂ O ₃ 0.16	Al ₂ O ₃ 0.41	Li ₂ O	CuO	SrO 0.52	BaO
TiO ₂ 0.00	NiO 0.08	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



G200 EU	21.05
Strontium Carb	17.11
EPK	16.34
Flint	21.78
3134	12.60
Nickel Carb (Green)	2.22
Ultrox (Zircopax)	8.89
Water	75



1-3 Second Dip



2-3 Second Dips

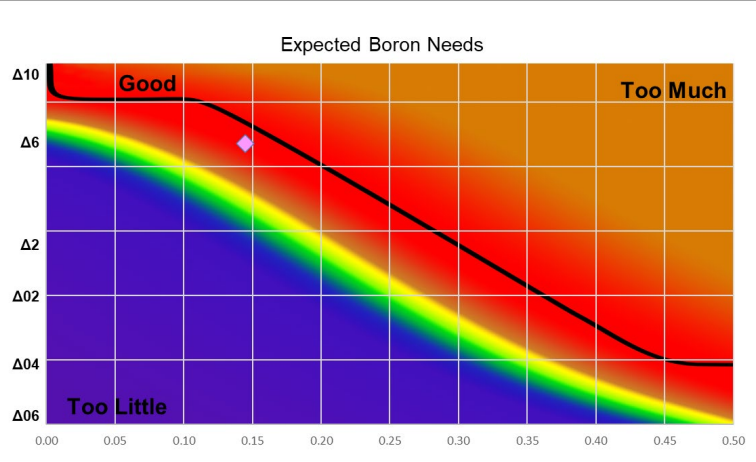
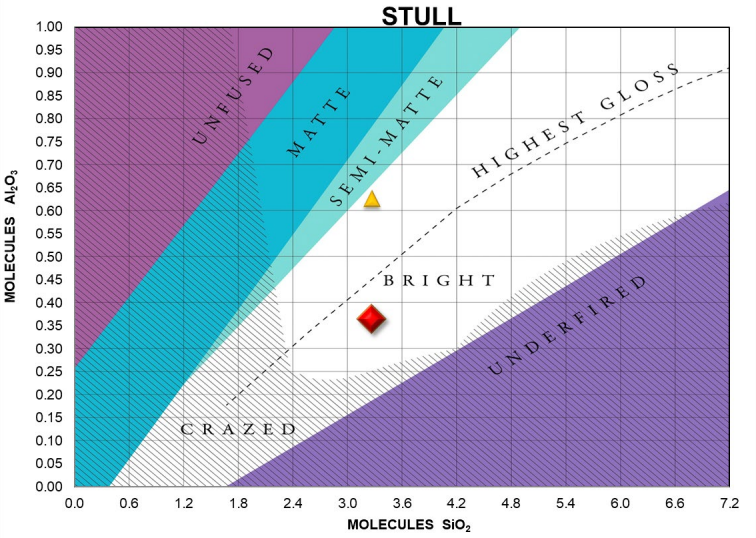


Reduction



Glassy Eyed

SiO ₂ :Al ₂ O ₃ Ratio 5.21 : 1		Alkali Metals 0.33		Alkaline Earths 0.67	
SiO ₂ 3.27	Collective "Al ₂ O ₃ " 0.63	Na ₂ O 0.11	K ₂ O 0.10	MgO 0.00	CaO 0.20
B ₂ O ₃ 0.14	Al ₂ O ₃ 0.37	Li ₂ O	CuO	SrO 0.46	BaO
TiO ₂ 0.26	NiO	Bi ₂ O ₃	SnO ₂ 0.12	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



G200 EU	21.33
Strontium Carb	17.35
EPK	16.56
Flint	22.08
3134	12.77
Titanium Dioxide	5.41
Tin Oxide	4.50
Water	75

Oxidation

1-3 Second Dip

2-3 Second Dips

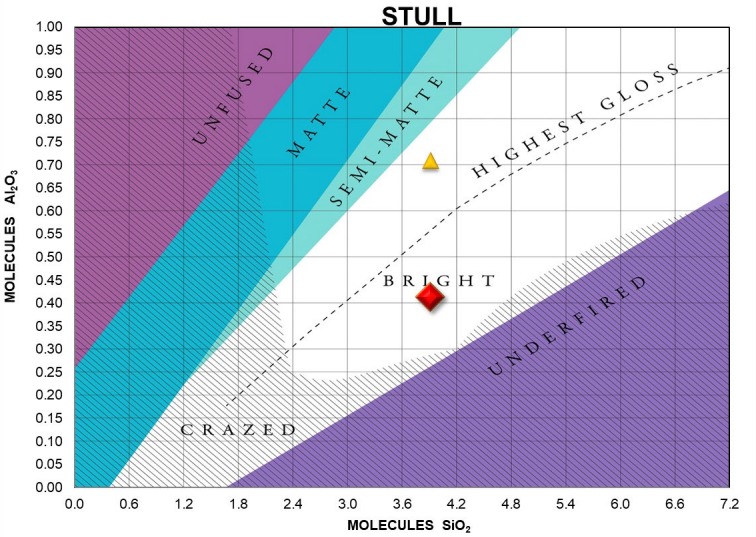
Reduction



Ceramic
Materials
Workshop

Glassy Eyed

SiO ₂ :Al ₂ O ₃ Ratio 5.51 : 1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.91	Collective "Al ₂ O ₃ " 0.71	Na ₂ O 0.13	K ₂ O 0.11	MgO 0.00	CaO 0.23
B ₂ O ₃ 0.16	Al ₂ O ₃ 0.41	Li ₂ O 0.00	CuO 0.00	SrO 0.52	BaO 0.00
TiO ₂ 0.30	NiO 0.00	Bi ₂ O ₃ 0.00	SnO ₂ 0.00	ZnO 0.00	FeO 0.01
Cr ₂ O ₃ 0.00	ZrO ₂ 0.00	P ₂ O ₅ 0.00		MnO ₂ 0.00	CoO 0.00



G200 EU	20.41
Strontium Carb	16.60
EPK	15.85
Flint	21.13
3134	12.22
Titanium Dioxide	5.17
Ultrox (Zircopax)	8.62
Water	75



Oxidation

1-3 Second Dip



2-3 Second Dips



Reduction



Ceramic
Materials
Workshop

Glassy Eyed

SiO ₂ :Al ₂ O ₃ Ratio 9.39 : 1		Alkali Metals 0.33		Alkaline Earths 0.67	
SiO ₂ 3.46	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.11	K ₂ O 0.10	MgO 0.00	CaO 0.20
B ₂ O ₃ 0.14	Al ₂ O ₃ 0.37	Li ₂ O	CuO	SrO 0.46	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂ 0.12	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO

G200 EU	20.59
Strontium Carb	16.74
EPK	15.99
Flint	21.31
3134	12.33
Tin Oxide	4.35
Ultrax (Zircopax)	8.70
Water	75



1-3 Second Dip

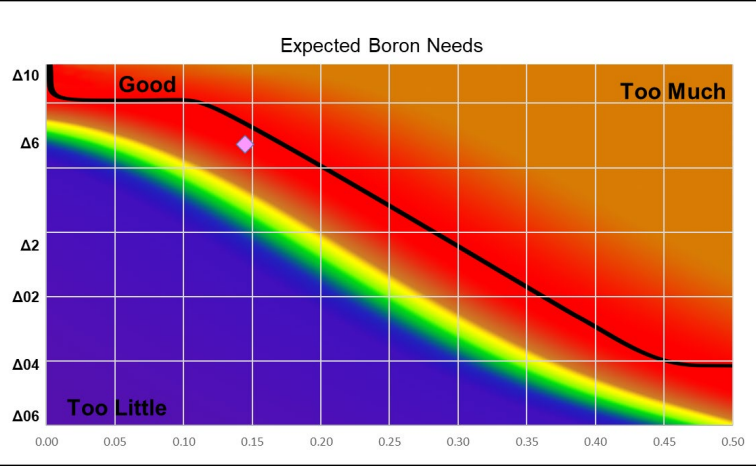
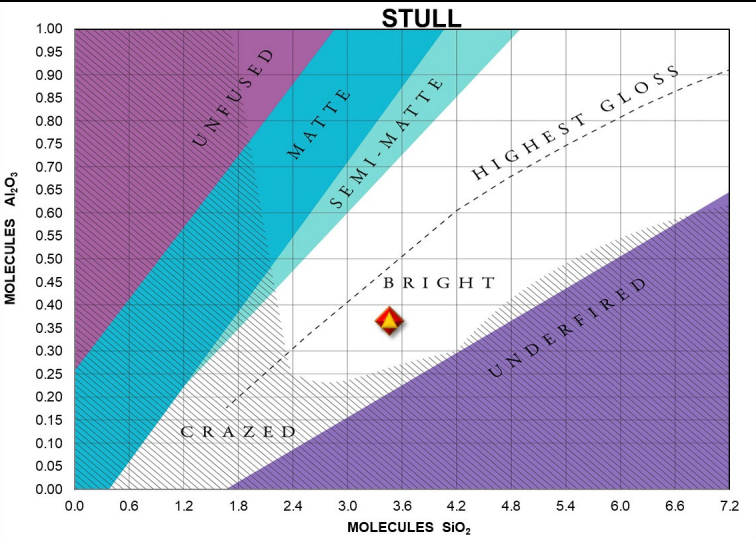


2-3 Second Dips

Oxidation



Reduction



Ceramic
Materials
Workshop