

Absence- Δ 10

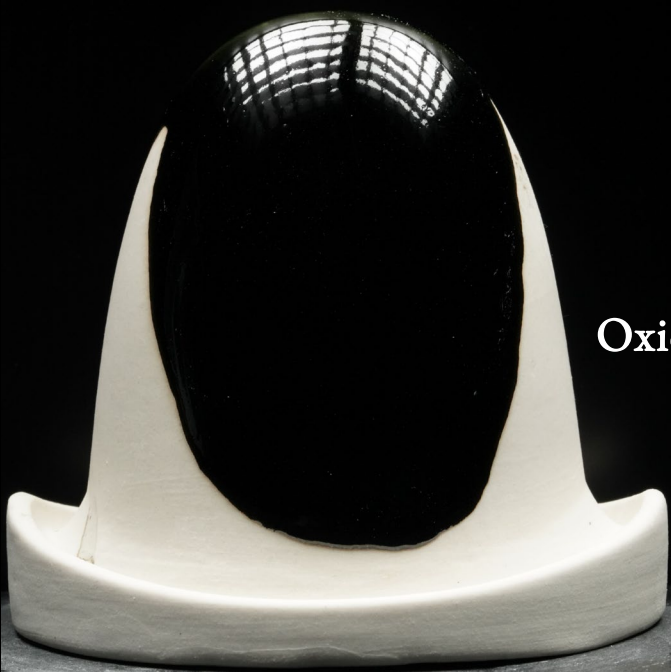
Lab 5b-Color Wheel 2-Individual

Absence

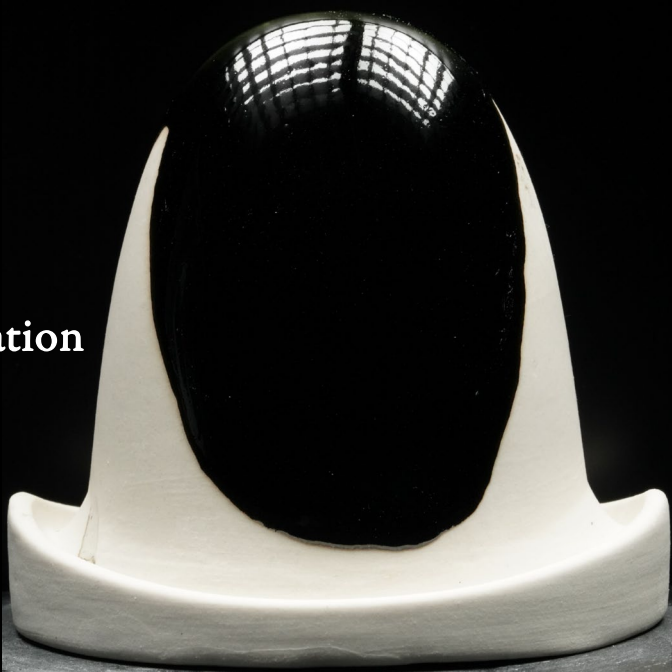
Original

062422-1

G200 EU	59.37
Whiting	18.04
EPK	3.55
Flint	19.05
Red Iron Oxide	7.68
Cobalt Carbonate	1.97
Water	60



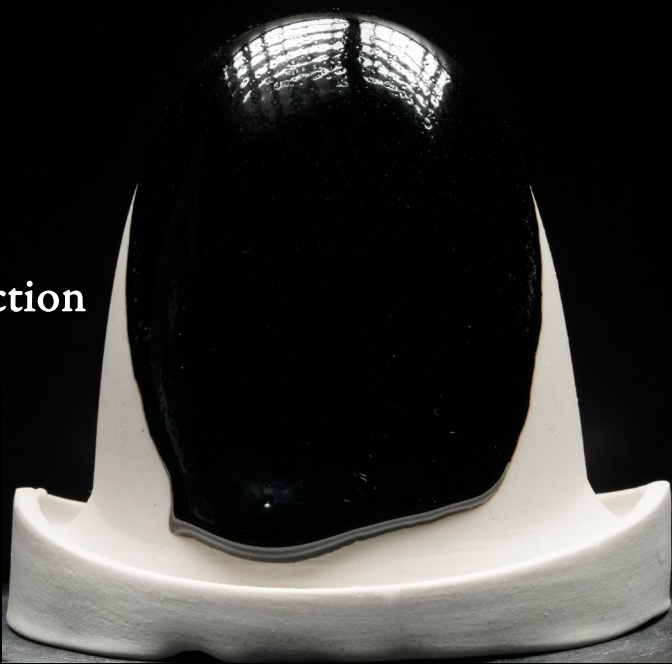
1-3 Second Dip



2-3 Second Dips

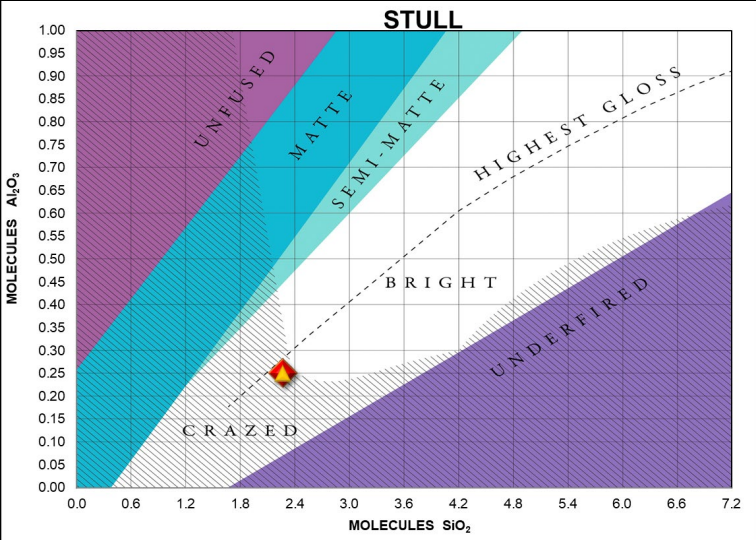


Reduction



UMF

SiO ₂ :Al ₂ O ₃ Ratio 9.06 : 1		Alkali Metals 0.32		Alkaline Earths 0.68	
SiO ₂ 3.66	Collective "Al ₂ O ₃ " 0.40	Na ₂ O 0.07	K ₂ O 0.25	MgO 0.00	CaO 0.67
B ₂ O ₃	Al ₂ O ₃ 0.40	Li ₂ O	CuO	SrO	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 9.06 : 1		Alkali Metals 0.20		Alkaline Earths 0.80	
SiO ₂ 2.27	Collective "Al ₂ O ₃ " 0.25	Na ₂ O 0.04	K ₂ O 0.15	MgO 0.00	CaO 0.41
B ₂ O ₃	Al ₂ O ₃ 0.25	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.35
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.04



Ceramic
Materials
Workshop

Absence

G200 EU	58.20
Whiting	17.68
EPK	3.48
Flint	18.67
Cobalt Carbonate	0.98
Chrome Oxide	0.98
Water	60



1-3 Second Dip



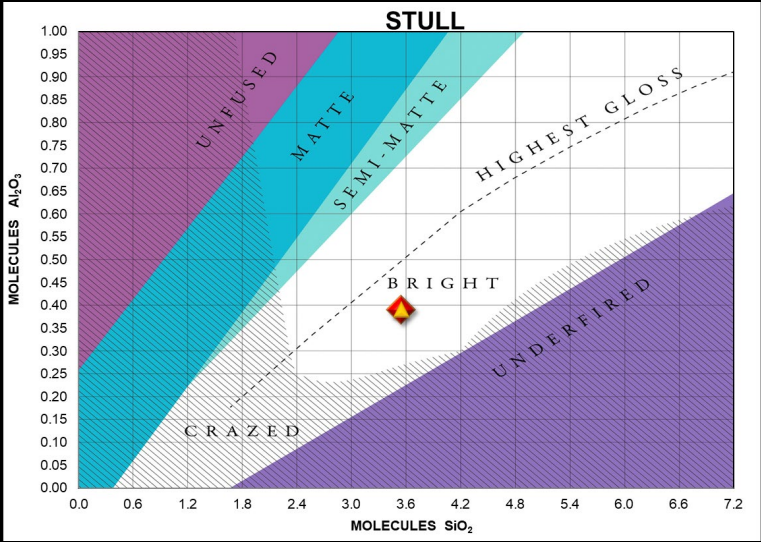
2-3 Second Dips



Oxidation

Reduction

SiO ₂ :Al ₂ O ₃ Ratio 9.06 : 1		Alkali Metals 0.31		Alkaline Earths 0.69	
SiO ₂ 3.55	Collective "Al ₂ O ₃ " 0.39	Na ₂ O 0.07	K ₂ O 0.24	MgO 0.00	CaO 0.65
B ₂ O ₃	Al ₂ O ₃ 0.39	Li ₂ O	CuO	SrO	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	CoO 0.03



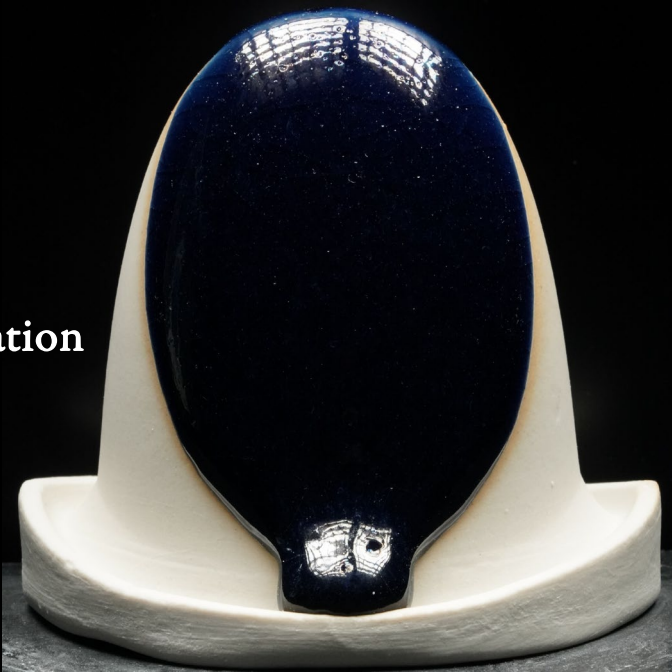
Ceramic
Materials
Workshop

Absence

G200 EU	57.08
Whiting	17.34
EPK	3.41
Flint	18.32
Cobalt Carbonate	0.96
Copper Carbonate	2.88
Water	60



1-3 Second Dip



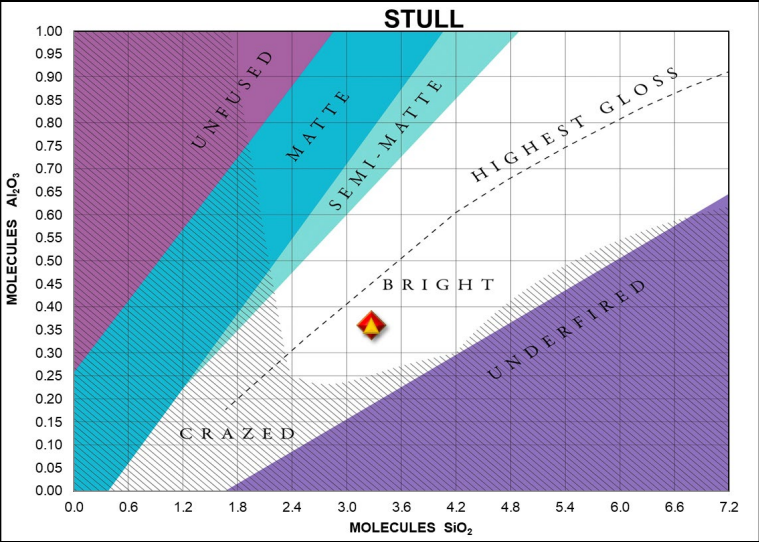
2-3 Second Dips



Oxidation

Reduction

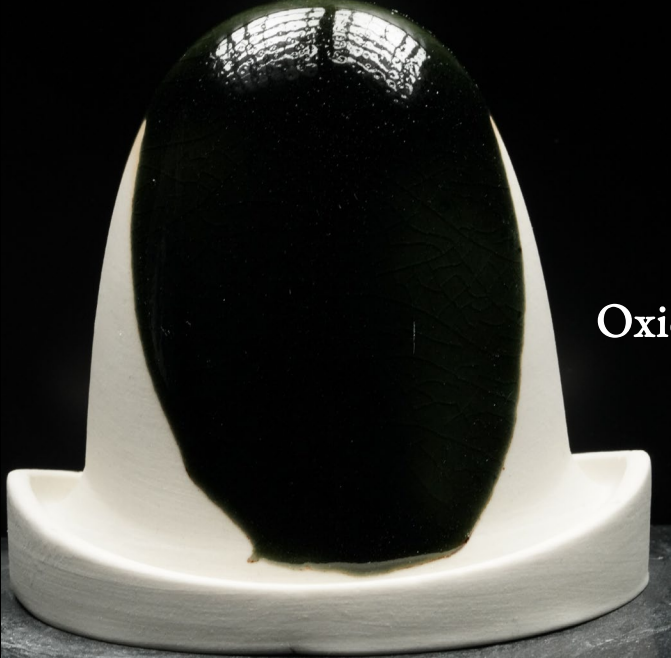
SiO ₂ :Al ₂ O ₃ Ratio 9.06 : 1		Alkali Metals 0.37		Alkaline Earths 0.63	
SiO ₂ 3.27	Collective "Al ₂ O ₃ " 0.36	Na ₂ O 0.06	K ₂ O 0.22	MgO 0.00	CaO 0.60
B ₂ O ₃	Al ₂ O ₃ 0.36	Li ₂ O	CuO 0.08	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.03



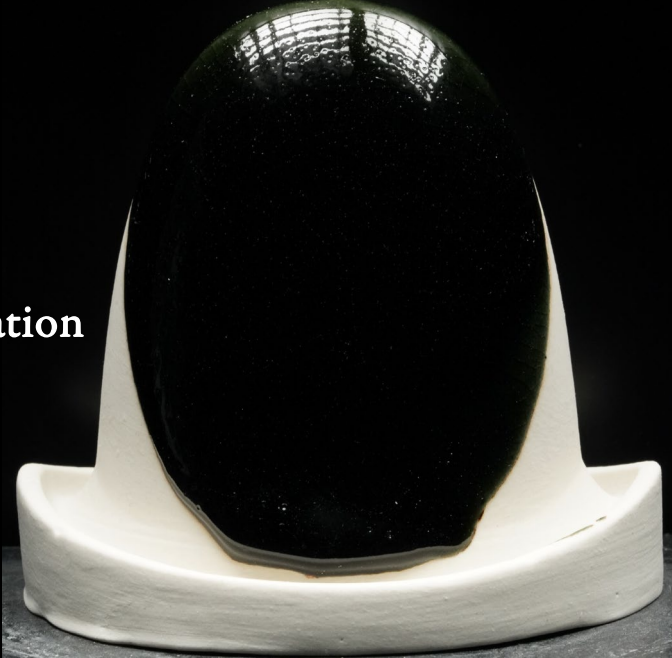
Ceramic
Materials
Workshop

Absence

G200 EU	55.48
Whiting	16.86
EPK	3.32
Flint	17.80
Cobalt Carbonate	0.93
Red Iron Oxide	5.61
Water	60



1-3 Second Dip



2-3 Second Dips

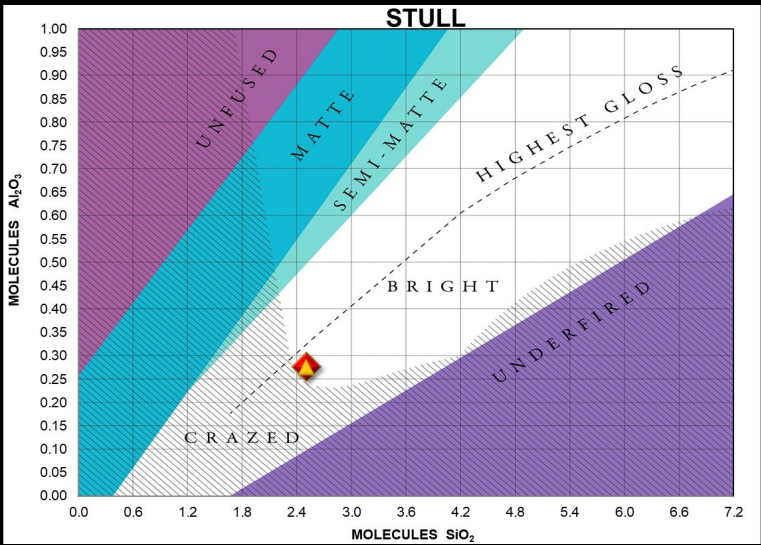


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 9.06 : 1		Alkali Metals 0.22		Alkaline Earths 0.78	
SiO ₂ 2.50	Collective "Al ₂ O ₃ " 0.28	Na ₂ O 0.05	K ₂ O 0.17	MgO 0.00	CaO 0.46
B ₂ O ₃	Al ₂ O ₃ 0.28	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.30
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.02



Ceramic
Materials
Workshop

Absence

G200 EU	57.08
Whiting	17.34
EPK	3.41
Flint	18.32
Cobalt Carbonate	0.96
Manganese Dioxide	2.88
Water	60



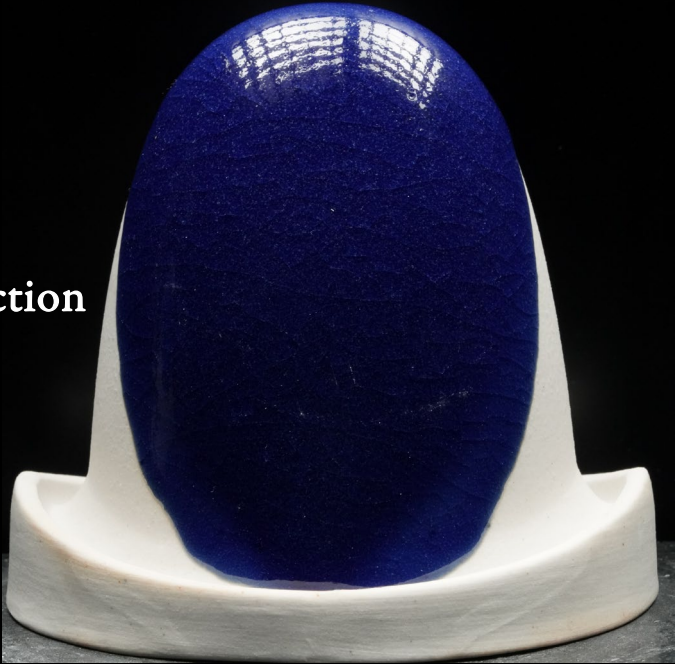
1-3 Second Dip



2-3 Second Dips



1-3 Second Dip

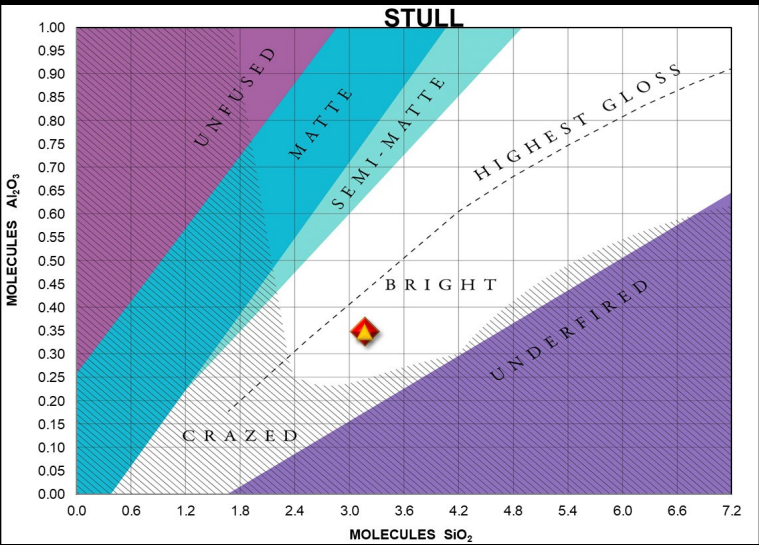


2-3 Second Dips

Oxidation

Reduction

SiO ₂ :Al ₂ O ₃ Ratio 9.06 : 1		Alkali Metals 0.28		Alkaline Earths 0.72	
SiO ₂ 3.17	Collective "Al ₂ O ₃ " 0.35	Na ₂ O 0.06	K ₂ O 0.22	MgO 0.00	CaO 0.58
B ₂ O ₃	Al ₂ O ₃ 0.35	Li ₂ O	CuO	SrO	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 0.11	CoO 0.03



Ceramic
Materials
Workshop

Absence

G200 EU	57.36
Whiting	17.43
EPK	3.43
Flint	18.40
Cobalt Carbonate	0.97
Nickel Carb (Green)	2.42
Water	60



1-3 Second Dip



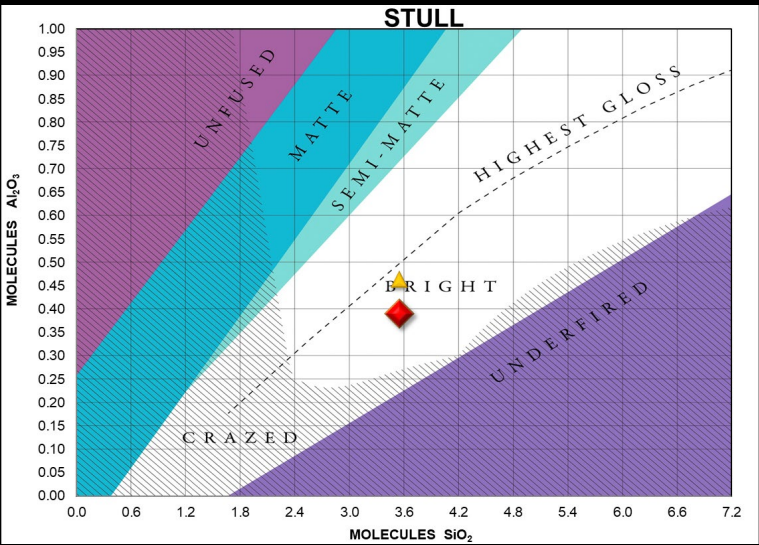
2-3 Second Dips



Reduction

Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 7.63 :1		Alkali Metals 0.31		Alkaline Earths 0.69	
SiO ₂ 3.55	Collective "Al ₂ O ₃ " 0.46	Na ₂ O 0.07	K ₂ O 0.24	MgO 0.00	CaO 0.65
B ₂ O ₃	Al ₂ O ₃ 0.39	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO 0.07	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

Absence

G200 EU	55.48
Whiting	16.86
EPK	3.32
Flint	17.80
Cobalt Carbonate	0.93
Titanium Dioxide	5.61
Water	60



1-3 Second Dip



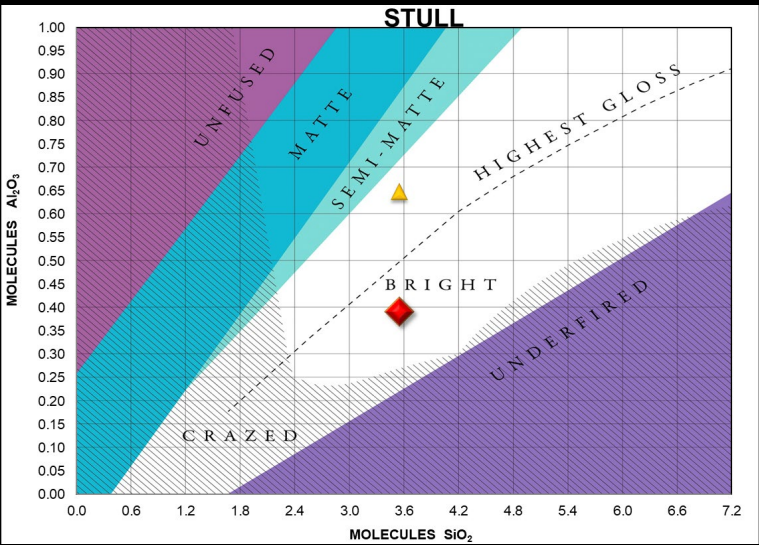
2-3 Second Dips



Oxidation

Reduction

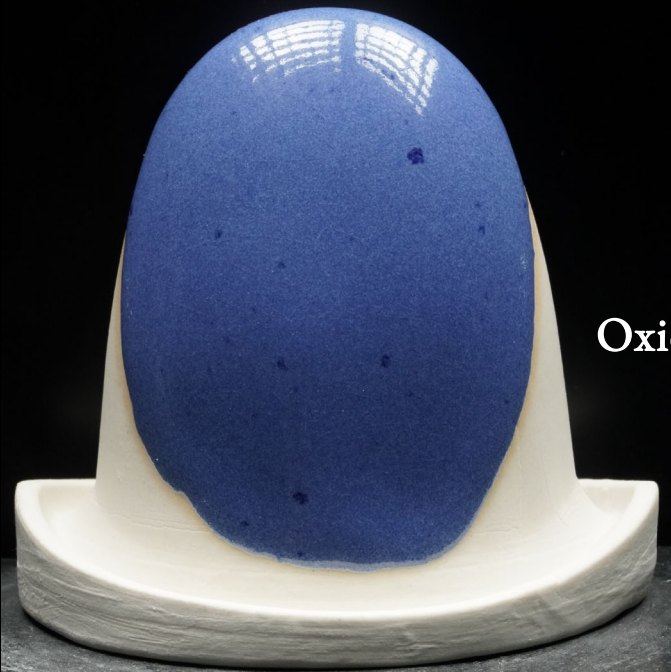
SiO ₂ :Al ₂ O ₃ Ratio 5.46 : 1		Alkali Metals 0.31		Alkaline Earths 0.69	
SiO ₂ 3.55	Collective "Al ₂ O ₃ " 0.65	Na ₂ O 0.07	K ₂ O 0.24	MgO 0.00	CaO 0.65
B ₂ O ₃	Al ₂ O ₃ 0.39	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.26	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.03



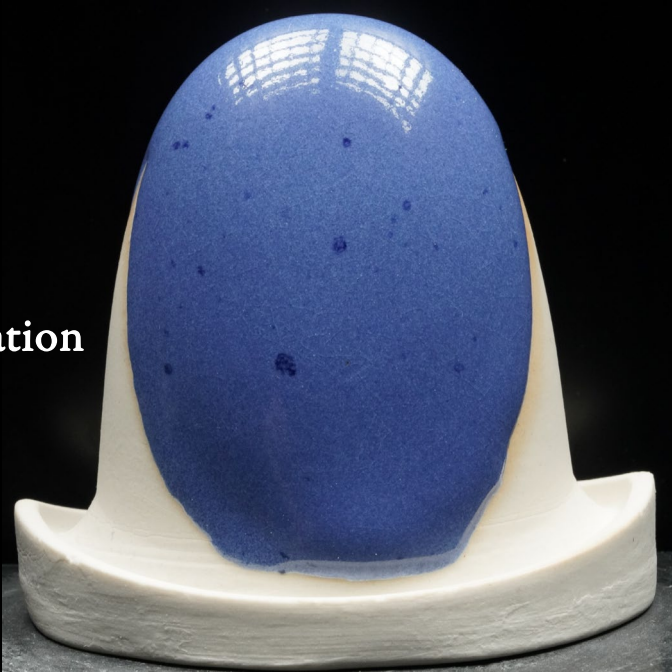
Ceramic
Materials
Workshop

Absence

G200 EU	56.00
Whiting	17.02
EPK	3.35
Flint	17.97
Cobalt Carbonate	0.94
Tin Oxide	4.72
Water	60



1-3 Second Dip



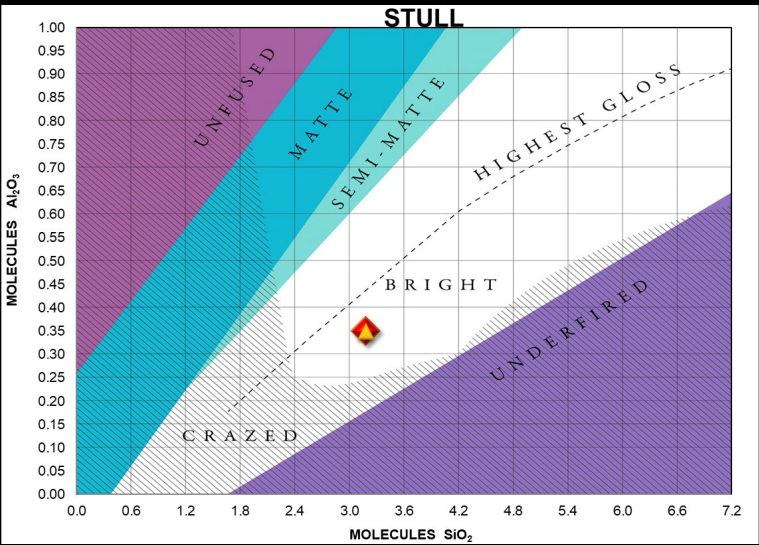
2-3 Second Dips



Reduction

Oxidation

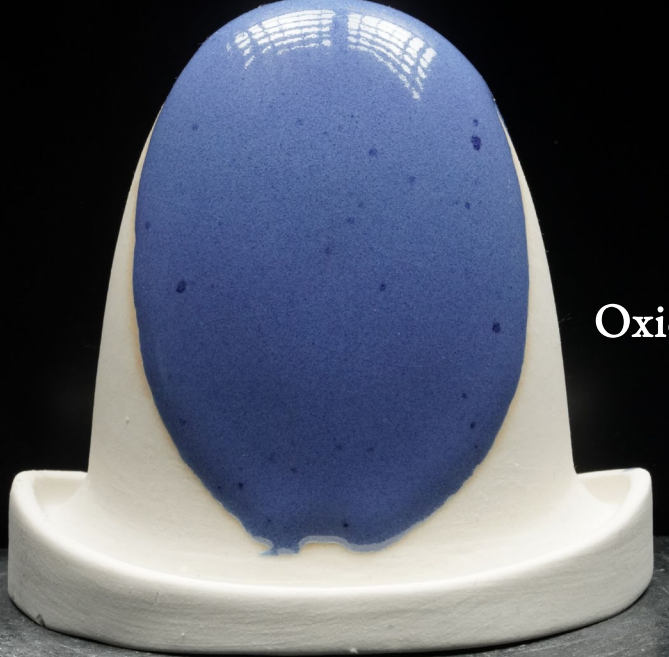
SiO ₂ :Al ₂ O ₃ Ratio 9.06 : 1		Alkali Metals 0.38		Alkaline Earths 0.62	
SiO ₂ 3.18	Collective "Al ₂ O ₃ " 0.35	Na ₂ O 0.06	K ₂ O 0.22	MgO 0.00	CaO 0.58
B ₂ O ₃	Al ₂ O ₃ 0.35	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂ 0.10	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.03



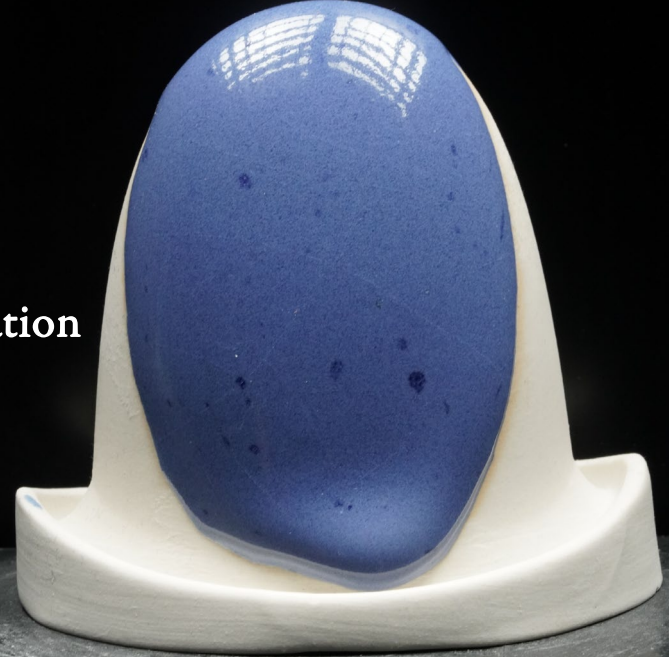
Ceramic
Materials
Workshop

Absence

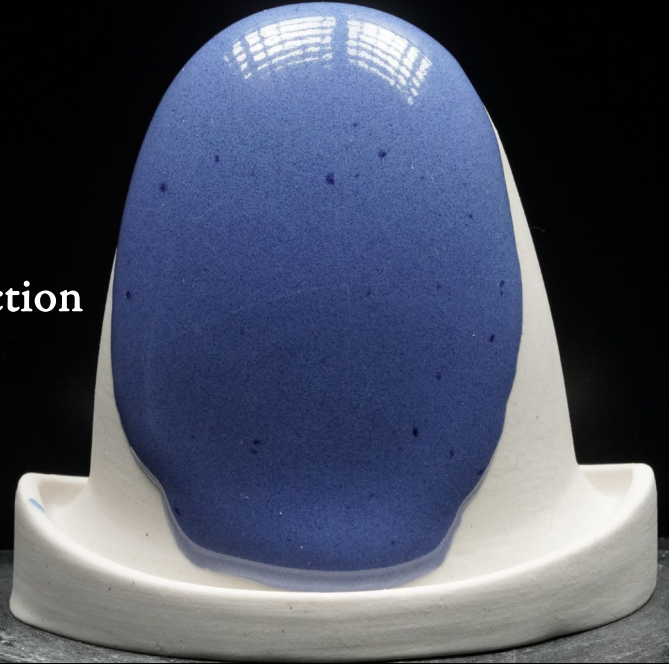
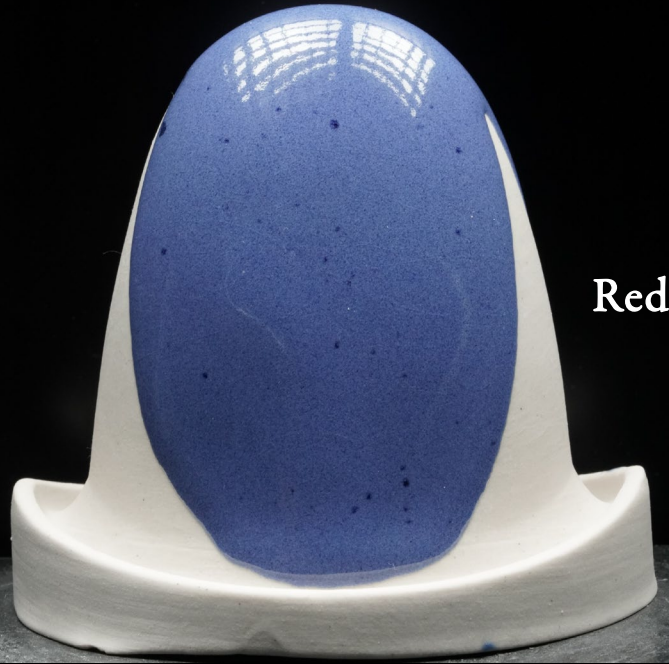
G200 EU	53.48
Whiting	16.25
EPK	3.20
Flint	17.16
Cobalt Carbonate	0.90
Ultrax (Zircopax)	9.01
Water	60



1-3 Second Dip



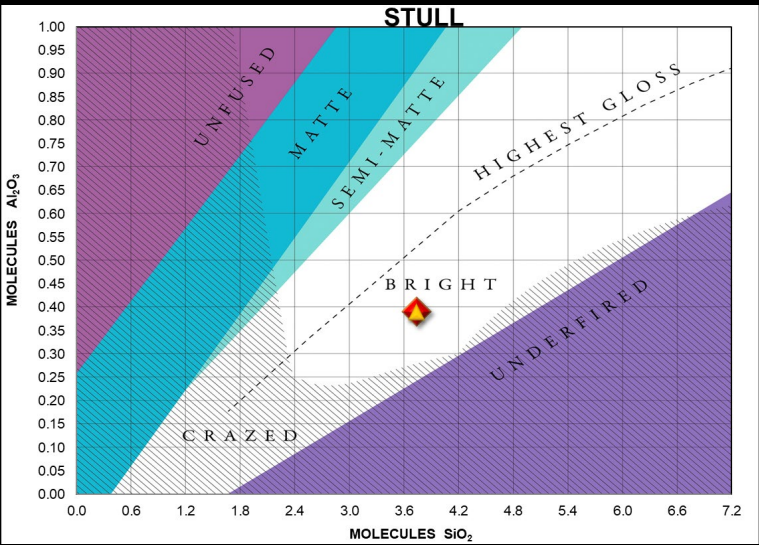
2-3 Second Dips



Reduction

Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 9.55 : 1		Alkali Metals 0.31		Alkaline Earths 0.69	
SiO ₂ 3.74	Collective "Al ₂ O ₃ " 0.39	Na ₂ O 0.07	K ₂ O 0.24	MgO 0.00	CaO 0.65
B ₂ O ₃	Al ₂ O ₃ 0.39	Li ₂ O	CuO	SrO	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



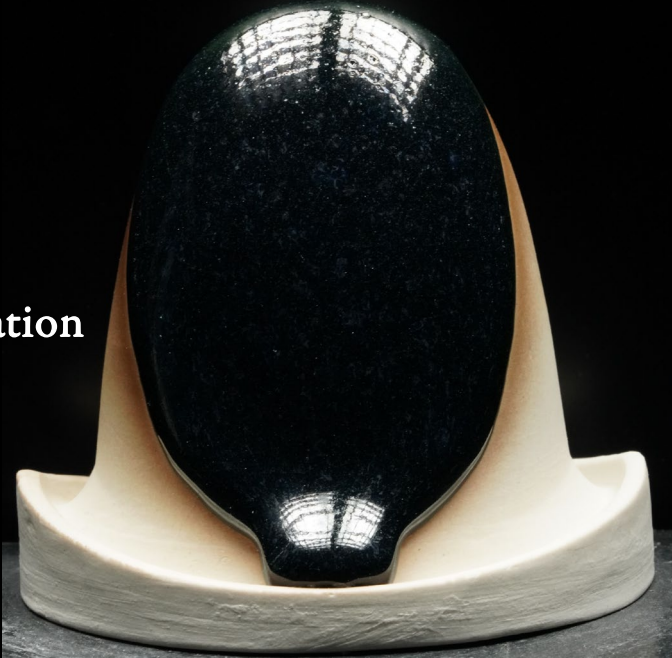
Ceramic
Materials
Workshop

Absence

G200 EU	57.08
Whiting	17.34
EPK	3.41
Flint	18.32
Chrome Oxide	0.96
Copper Carbonate	2.88
Water	60



1-3 Second Dip



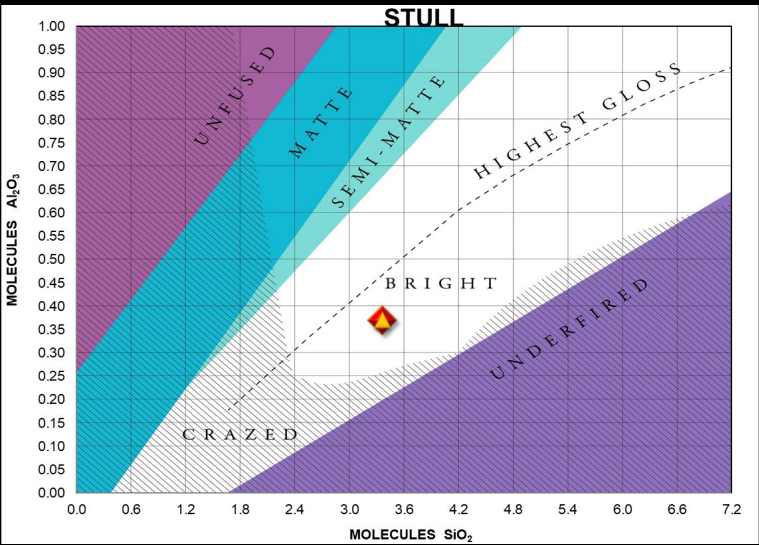
2-3 Second Dips



Reduction

Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 9.06 : 1		Alkali Metals 0.38		Alkaline Earths 0.62	
SiO ₂ 3.36	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.07	K ₂ O 0.23	MgO 0.00	CaO 0.61
B ₂ O ₃	Al ₂ O ₃ 0.37	Li ₂ O	CuO 0.08	SrO	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	CoO



Ceramic
Materials
Workshop

Absence

G200 EU	55.48
Whiting	16.86
EPK	3.32
Flint	17.80
Chrome Oxide	0.93
Red Iron Oxide	5.61
Water	60



1-3 Second Dip



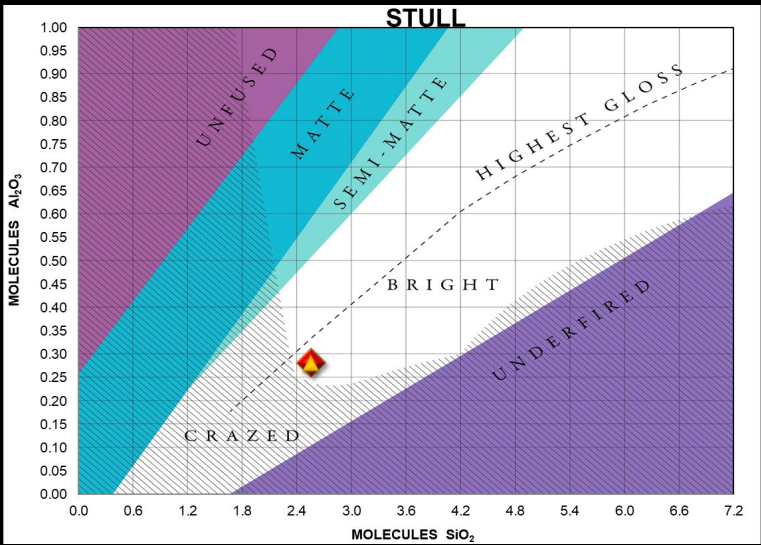
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 9.06 : 1		Alkali Metals 0.22		Alkaline Earths 0.78	
SiO ₂ 2.56	Collective "Al ₂ O ₃ " 0.28	Na ₂ O 0.05	K ₂ O 0.17	MgO 0.00	CaO 0.47
B ₂ O ₃	Al ₂ O ₃ 0.28	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.31
Cr ₂ O ₃ 0.02	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Absence

G200 EU	57.08
Whiting	17.34
EPK	3.41
Flint	18.32
Chrome Oxide	0.96
Manganese Dioxide	2.88
Water	60



1-3 Second Dip



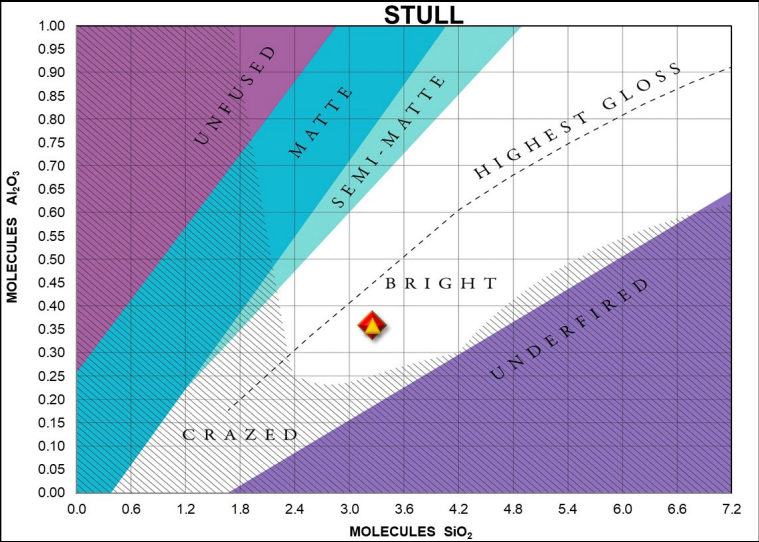
2-3 Second Dips



Reduction

Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 9.06 : 1		Alkali Metals 0.29		Alkaline Earths 0.71	
SiO ₂ 3.25	Collective "Al ₂ O ₃ " 0.36	Na ₂ O 0.06	K ₂ O 0.22	MgO 0.00	CaO 0.59
B ₂ O ₃	Al ₂ O ₃ 0.36	Li ₂ O	CuO	SrO	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 0.11	CoO



Ceramic
Materials
Workshop

Absence

G200 EU	57.36
Whiting	17.43
EPK	3.43
Flint	18.40
Chrome Oxide	0.97
Nickel Carb (Green)	2.42
Water	60



1-3 Second Dip



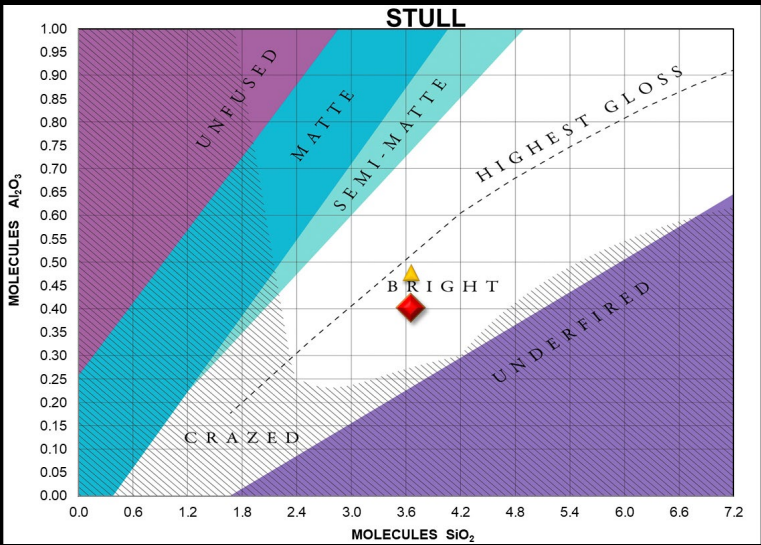
2-3 Second Dips



Reduction

Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 7.63 : 1		Alkali Metals 0.32		Alkaline Earths 0.68	
SiO ₂ 3.66	Collective "Al ₂ O ₃ " 0.48	Na ₂ O 0.07	K ₂ O 0.25	MgO 0.00	CaO 0.67
B ₂ O ₃	Al ₂ O ₃ 0.40	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO 0.08	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃ 0.02	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Absence

G200 EU	55.48
Whiting	16.86
EPK	3.32
Flint	17.80
Chrome Oxide	0.93
Titanium Dioxide	5.61
Water	60



1-3 Second Dip



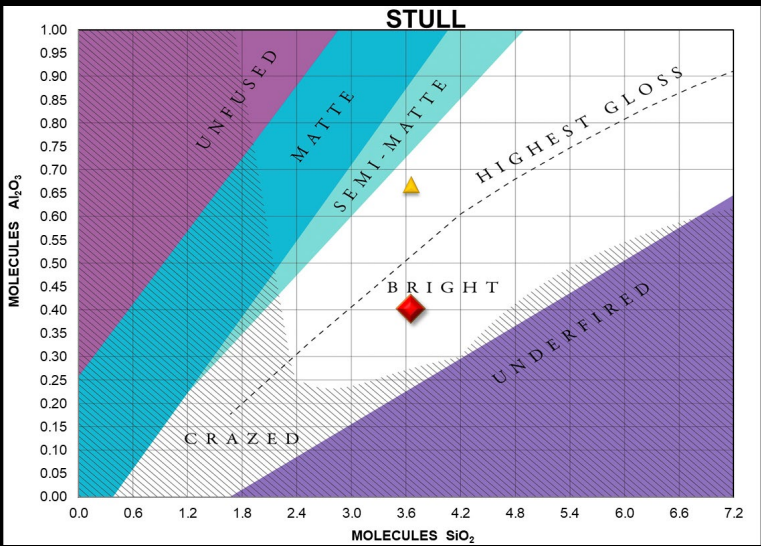
2-3 Second Dips



Reduction

Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 5.46 : 1		Alkali Metals 0.32		Alkaline Earths 0.68	
SiO ₂ 3.66	Collective "Al ₂ O ₃ " 0.67	Na ₂ O 0.07	K ₂ O 0.25	MgO 0.00	CaO 0.67
B ₂ O ₃	Al ₂ O ₃ 0.40	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.27	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	CoO



Ceramic
Materials
Workshop

Absence

G200 EU	56.00
Whiting	17.02
EPK	3.35
Flint	17.97
Chrome Oxide	0.94
Tin Oxide	4.72
Water	60

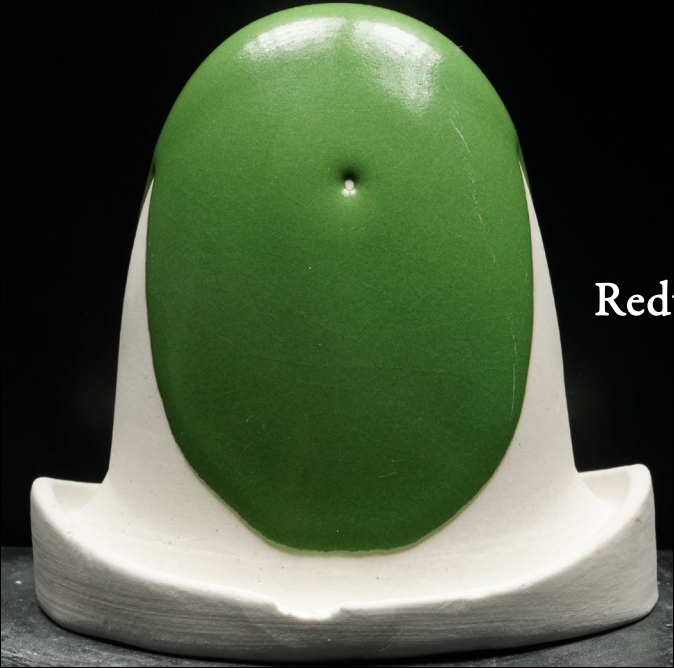


Oxidation

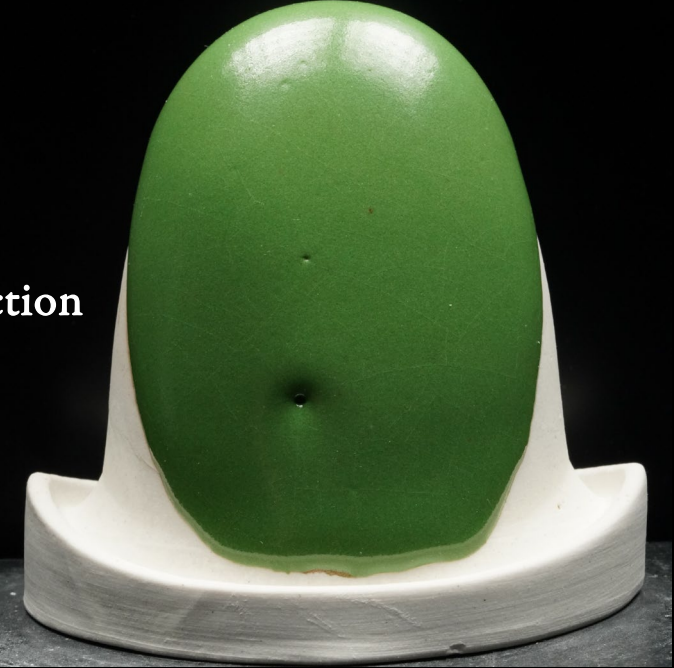
1-3 Second Dip



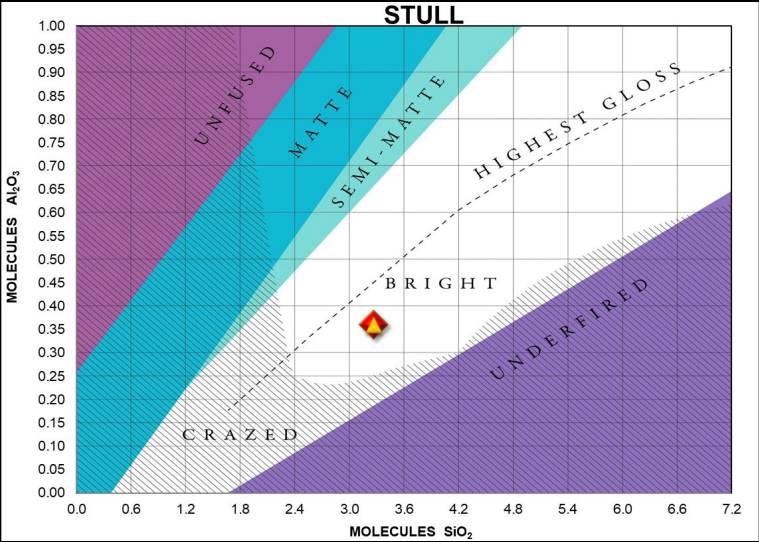
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 9.06 : 1		Alkali Metals 0.39		Alkaline Earths 0.61	
SiO ₂ 3.27	Collective "Al ₂ O ₃ " 0.36	Na ₂ O 0.06	K ₂ O 0.22	MgO 0.00	CaO 0.59
B ₂ O ₃	Al ₂ O ₃ 0.36	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂ 0.11	ZnO	FeO 0.01
Cr ₂ O ₃ 0.02	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Absence

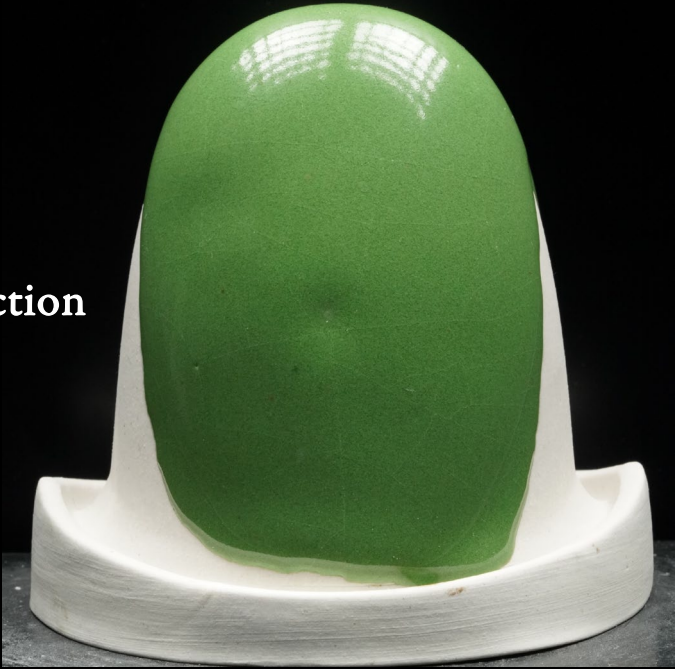
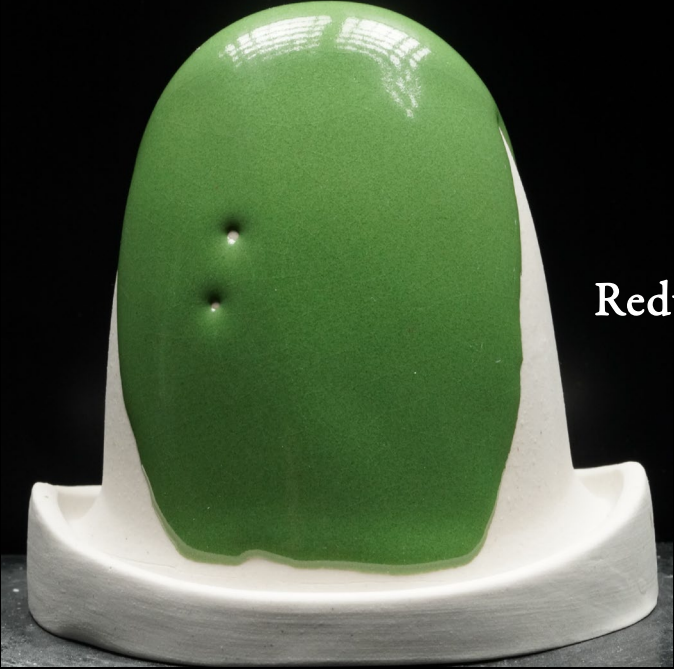
G200 EU	53.48
Whiting	16.25
EPK	3.20
Flint	17.16
Chrome Oxide	0.90
Ultrax (Zircopax)	9.01
Water	60



1-3 Second Dip



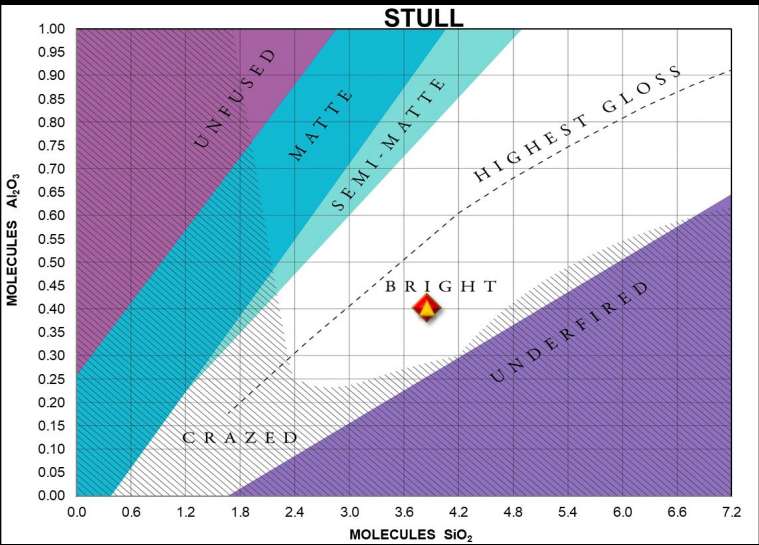
2-3 Second Dips



Oxidation

Reduction

SiO ₂ :Al ₂ O ₃ Ratio 9.55 : 1		Alkali Metals 0.32		Alkaline Earths 0.68	
SiO ₂ 3.85	Collective "Al ₂ O ₃ " 0.40	Na ₂ O 0.07	K ₂ O 0.25	MgO 0.00	CaO 0.67
B ₂ O ₃	Al ₂ O ₃ 0.40	Li ₂ O	CuO	SrO	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	CoO



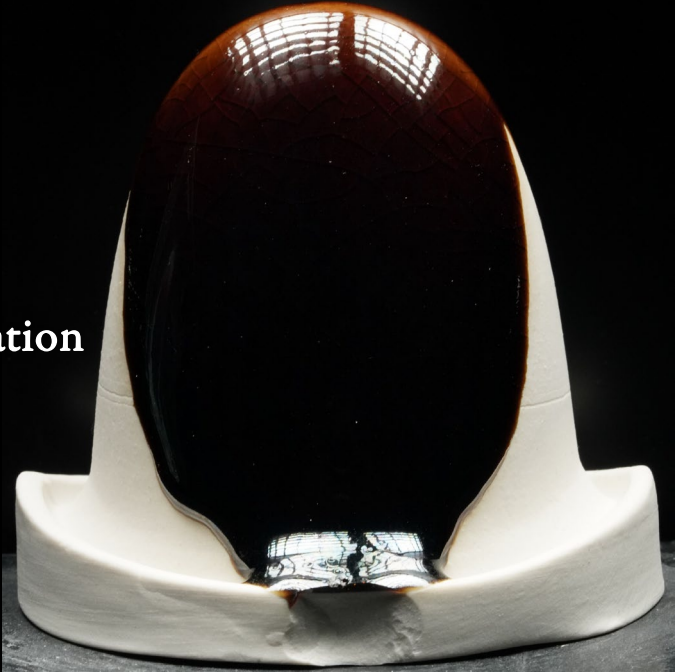
Ceramic
Materials
Workshop

Absence

G200 EU	54.46
Whiting	16.55
EPK	3.26
Flint	17.48
Copper Carbonate	2.75
Red Iron Oxide	5.50
Water	60



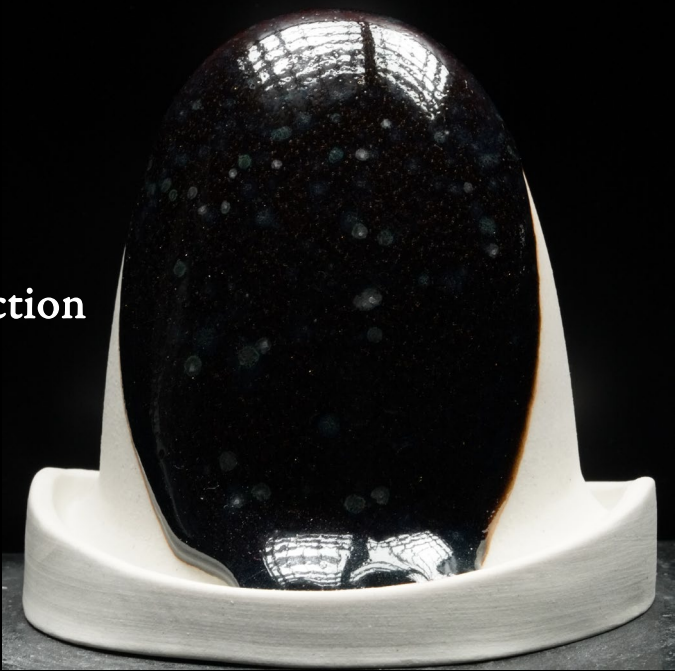
1-3 Second Dip



2-3 Second Dips

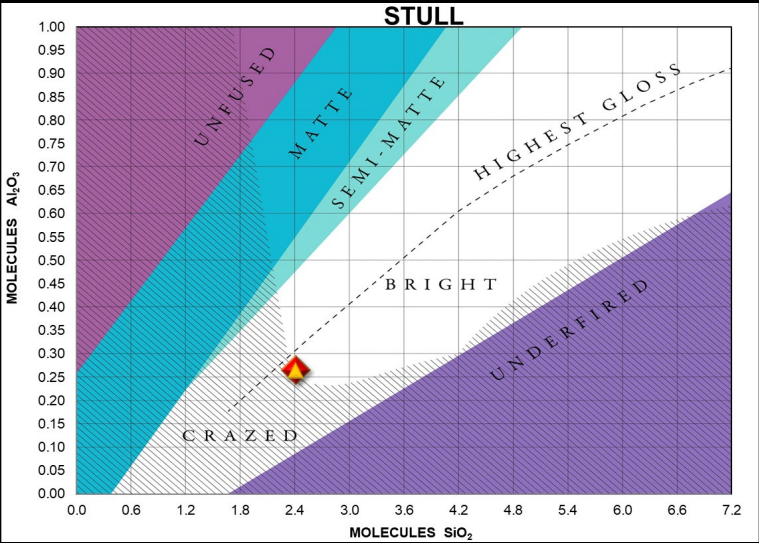


Reduction



Oxidation

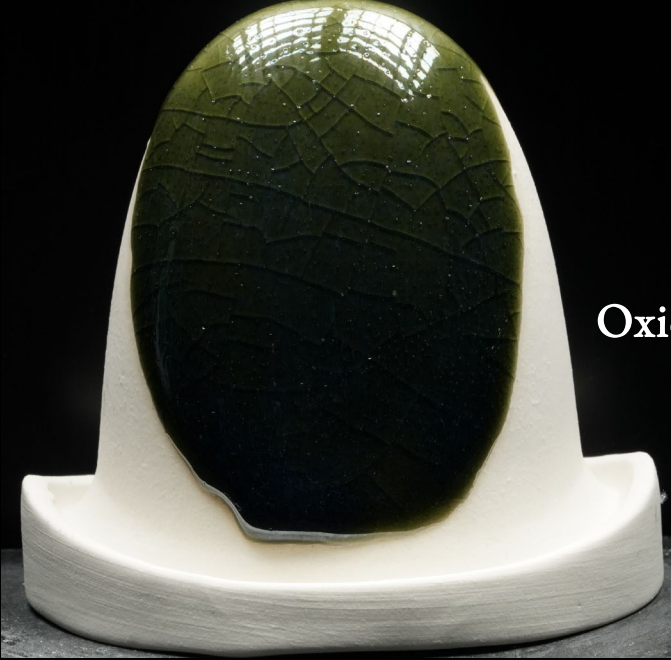
SiO ₂ :Al ₂ O ₃ Ratio 9.06 : 1		Alkali Metals 0.27		Alkaline Earths 0.73	
SiO ₂ 2.41	Collective "Al ₂ O ₃ " 0.27	Na ₂ O 0.05	K ₂ O 0.16	MgO 0.00	CaO 0.44
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.06	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.29
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



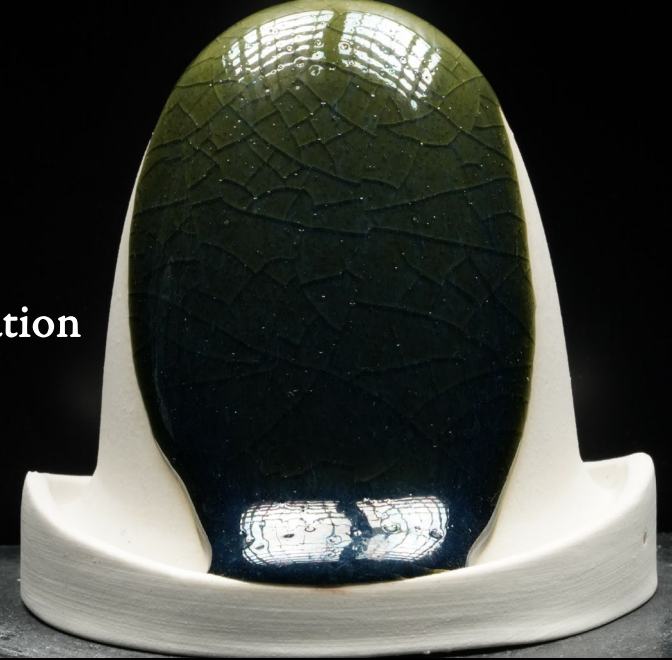
Ceramic
Materials
Workshop

Absence

G200 EU	56.00
Whiting	17.02
EPK	3.35
Flint	17.97
Copper Carbonate	2.83
Manganese Dioxide	2.83
Water	60



1-3 Second Dip



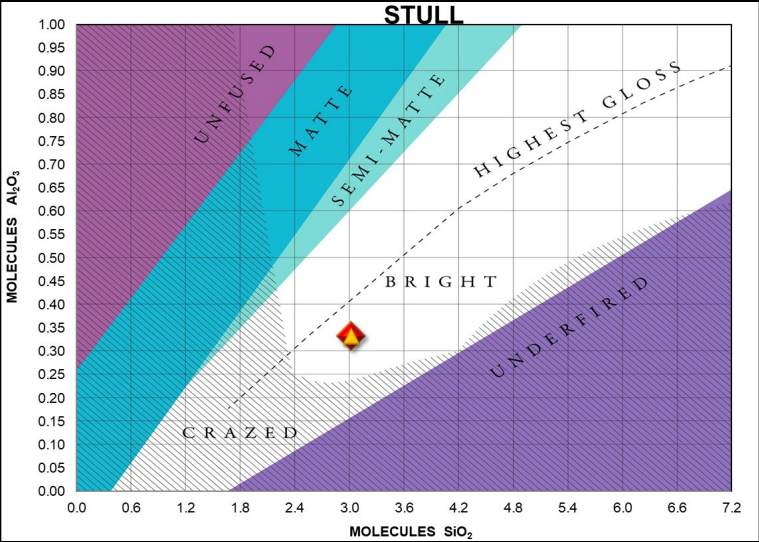
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 9.06 : 1		Alkali Metals 0.34		Alkaline Earths 0.66	
SiO ₂ 3.02	Collective "Al ₂ O ₃ " 0.33	Na ₂ O 0.06	K ₂ O 0.21	MgO 0.00	CaO 0.55
B ₂ O ₃	Al ₂ O ₃ 0.33	Li ₂ O	CuO 0.07	SrO	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 0.10	CoO



Ceramic
Materials
Workshop

Absence

G200 EU	56.27
Whiting	17.10
EPK	3.36
Flint	18.06
Copper Carbonate	2.84
Nickel Carb (Green)	2.37
Water	60



1-3 Second Dip



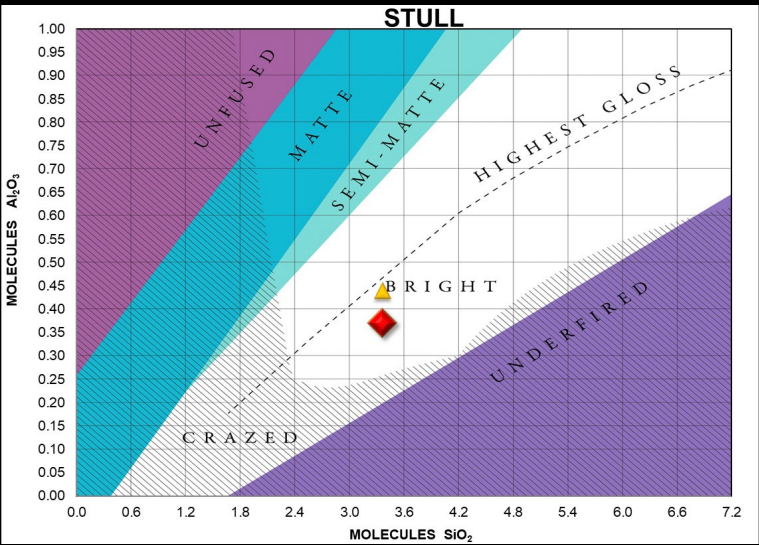
2-3 Second Dips



Reduction

Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 7.63 :1		Alkali Metals 0.38		Alkaline Earths 0.62	
SiO ₂	Collective "Al ₂ O ₃ "	Na ₂ O	K ₂ O	MgO	CaO
3.36	0.44	0.07	0.23	0.00	0.61
B ₂ O ₃	Al ₂ O ₃	Li ₂ O	CuO	SrO	BaO
	0.37		0.08		
TiO ₂	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO
0.00	0.07				0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



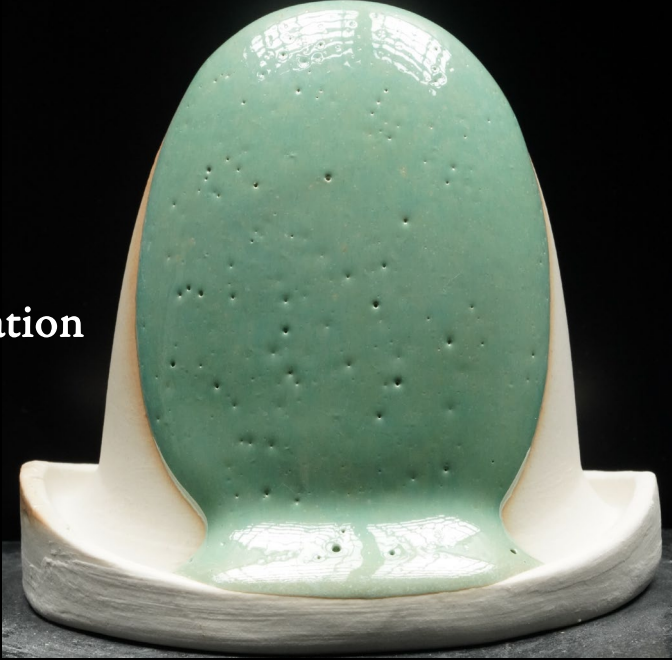
Ceramic
Materials
Workshop

Absence

G200 EU	54.46
Whiting	16.55
EPK	3.26
Flint	17.48
Copper Carbonate	2.75
Titanium Dioxide	5.50
Water	60



1-3 Second Dip



2-3 Second Dips

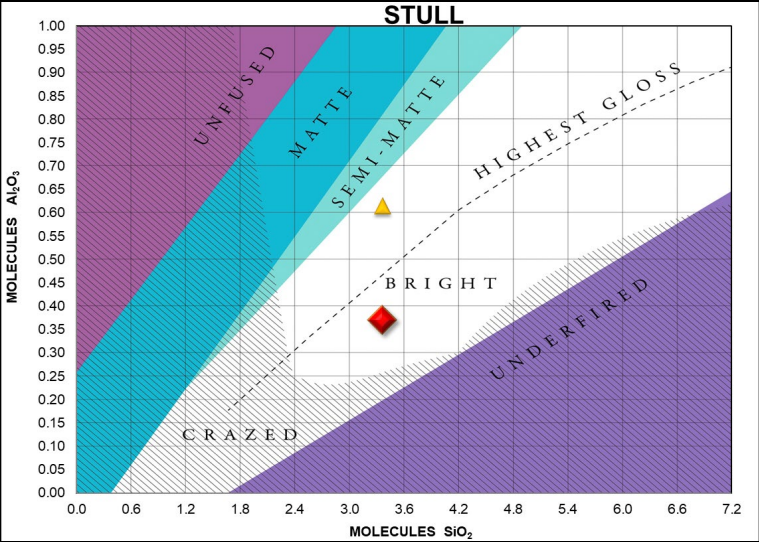


Reduction



Oxidation

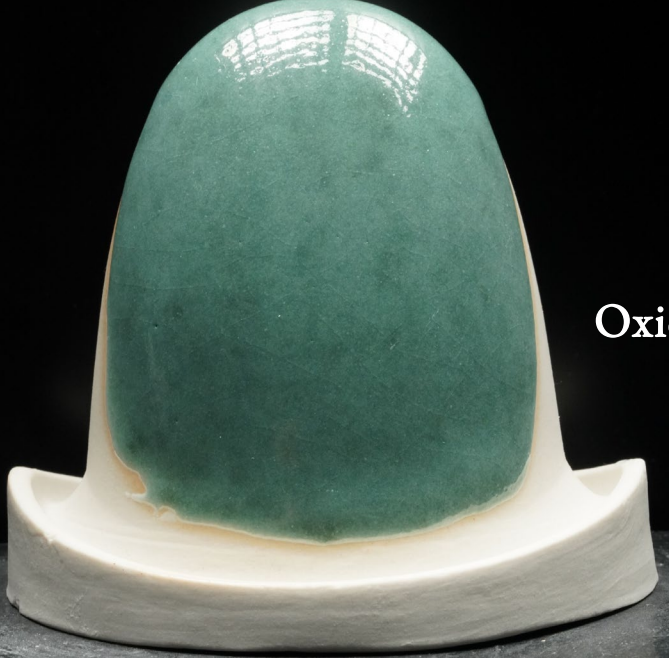
SiO ₂ :Al ₂ O ₃ Ratio 5.46 : 1		Alkali Metals 0.38		Alkaline Earths 0.62	
SiO ₂ 3.36	Collective "Al ₂ O ₃ " 0.62	Na ₂ O 0.07	K ₂ O 0.23	MgO 0.00	CaO 0.61
B ₂ O ₃	Al ₂ O ₃ 0.37	Li ₂ O	CuO 0.08	SrO	BaO
TiO ₂ 0.25	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



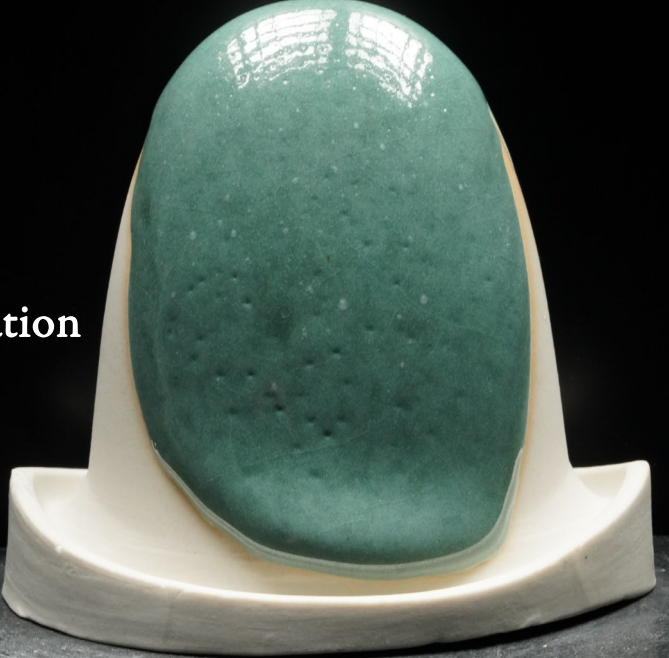
Ceramic
Materials
Workshop

Absence

G200 EU	54.97
Whiting	16.70
EPK	3.29
Flint	17.64
Copper Carbonate	2.78
Tin Oxide	4.63
Water	60



1-3 Second Dip



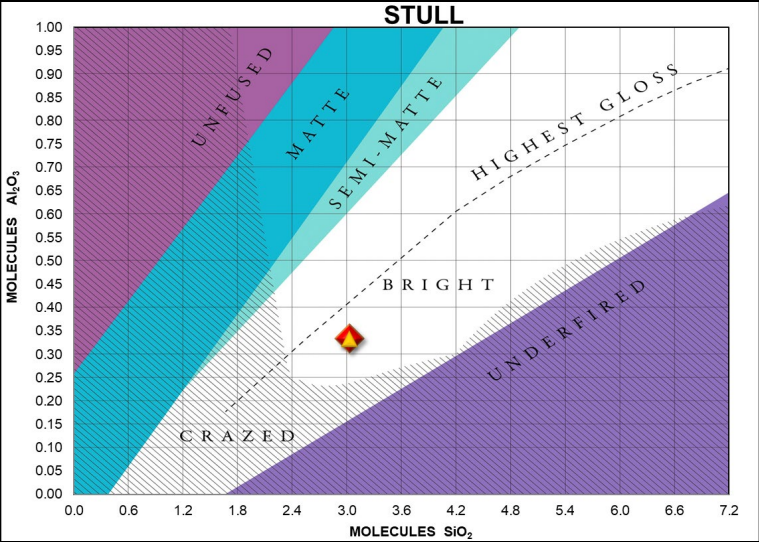
2-3 Second Dips



Reduction

Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 9.06 : 1		Alkali Metals 0.44		Alkaline Earths 0.56	
SiO ₂ 3.03	Collective "Al ₂ O ₃ " 0.33	Na ₂ O 0.06	K ₂ O 0.21	MgO 0.00	CaO 0.55
B ₂ O ₃	Al ₂ O ₃ 0.33	Li ₂ O	CuO 0.07	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂ 0.10	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Absence

G200 EU	52.54
Whiting	15.96
EPK	3.14
Flint	16.86
Copper Carbonate	2.65
Ultrox (Zircopax)	8.85
Water	60



1-3 Second Dip



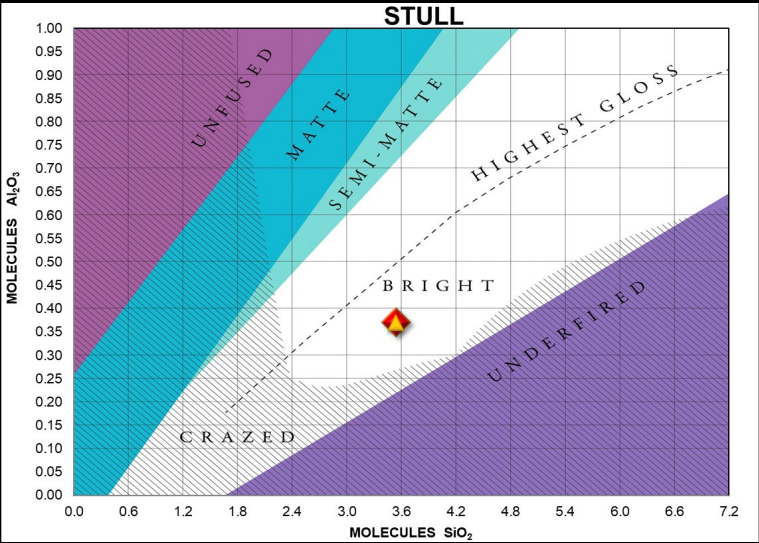
2-3 Second Dips



Oxidation

Reduction

SiO ₂ :Al ₂ O ₃ Ratio 9.55 : 1		Alkali Metals 0.38		Alkaline Earths 0.62	
SiO ₂ 3.54	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.07	K ₂ O 0.23	MgO 0.00	CaO 0.61
B ₂ O ₃	Al ₂ O ₃ 0.37	Li ₂ O	CuO 0.08	SrO	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



Ceramic
Materials
Workshop

Absence

G200 EU	54.46
Whiting	16.55
EPK	3.26
Flint	17.48
Red Iron Oxide	5.50
Manganese Dioxide	2.75
Water	60



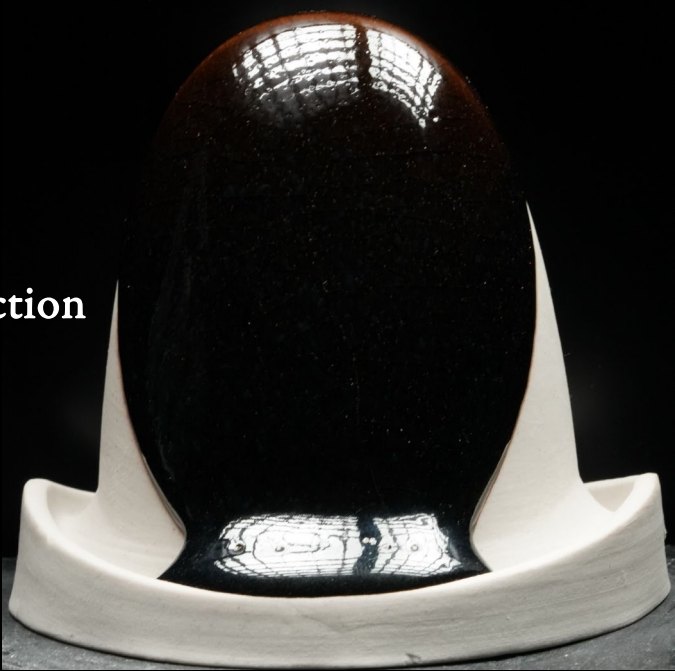
1-3 Second Dip



2-3 Second Dips

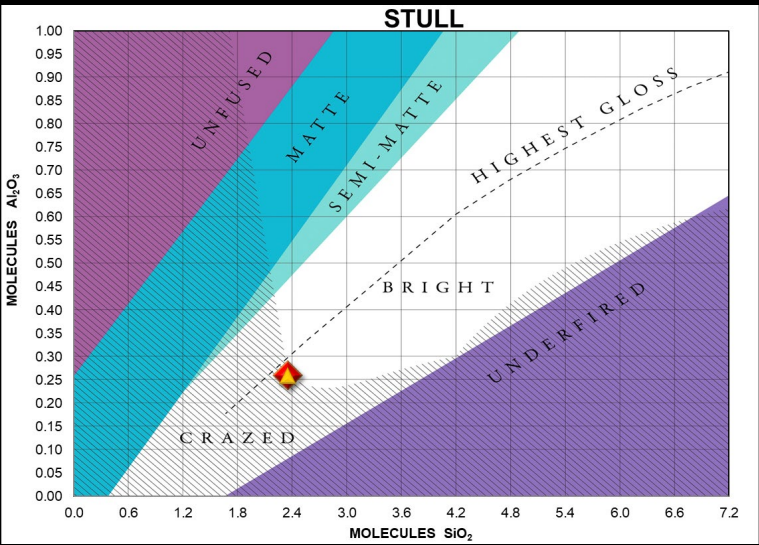


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 9.06 : 1		Alkali Metals 0.21		Alkaline Earths 0.79	
SiO ₂ 2.35	Collective "Al ₂ O ₃ " 0.26	Na ₂ O 0.05	K ₂ O 0.16	MgO 0.00	CaO 0.43
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.28
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂ 0.08	CoO



Ceramic
Materials
Workshop

Absence

G200 EU	54.71
Whiting	16.63
EPK	3.27
Flint	17.56
Red Iron Oxide	5.53
Nickel Carb (Green)	2.30
Water	60



1-3 Second Dip



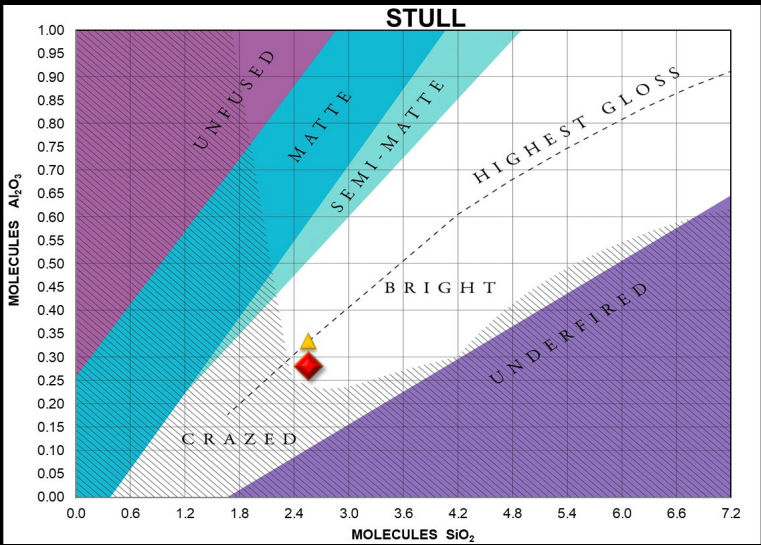
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 7.63 : 1		Alkali Metals 0.22		Alkaline Earths 0.78	
SiO ₂ 2.56	Collective "Al ₂ O ₃ " 0.33	Na ₂ O 0.05	K ₂ O 0.17	MgO 0.00	CaO 0.47
B ₂ O ₃	Al ₂ O ₃ 0.28	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO 0.05	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.31
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Absence

G200 EU	53.00
Whiting	16.11
EPK	3.17
Flint	17.01
Red Iron Oxide	5.36
Titanium Dioxide	5.36
Water	60



1-3 Second Dip



2-3 Second Dips



1-3 Second Dip

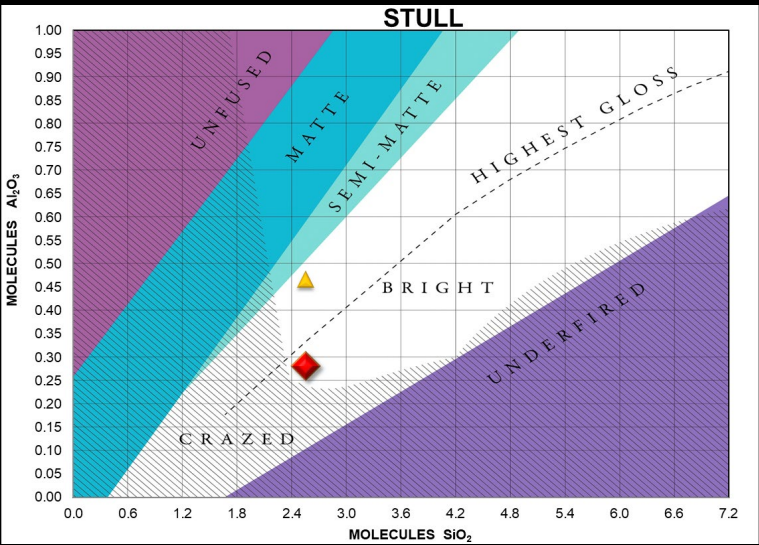


2-3 Second Dips

Oxidation

Reduction

SiO ₂ :Al ₂ O ₃ Ratio 5.46 : 1		Alkali Metals 0.22		Alkaline Earths 0.78	
SiO ₂ 2.56	Collective "Al ₂ O ₃ " 0.47	Na ₂ O 0.05	K ₂ O 0.17	MgO 0.00	CaO 0.47
B ₂ O ₃	Al ₂ O ₃ 0.28	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.19	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.31
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Absence

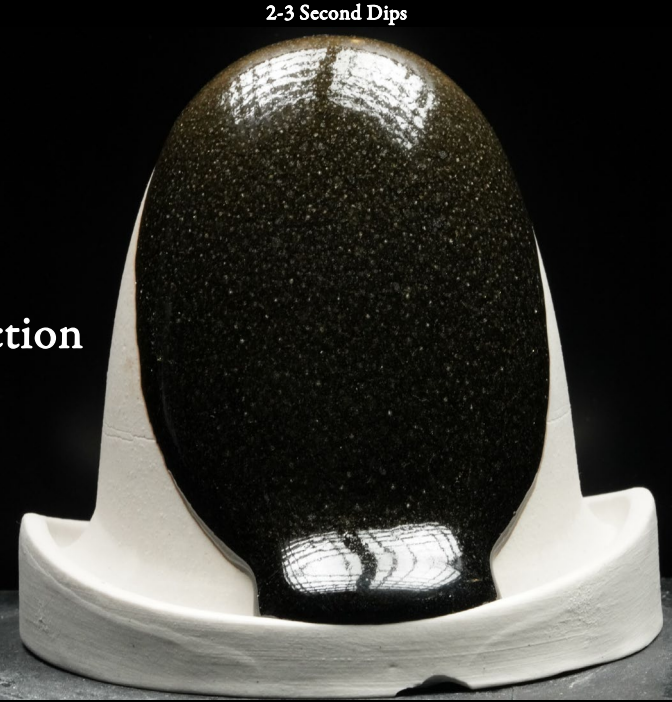
G200 EU	53.48
Whiting	16.25
EPK	3.20
Flint	17.16
Red Iron Oxide	5.40
Tin Oxide	4.50
Water	60



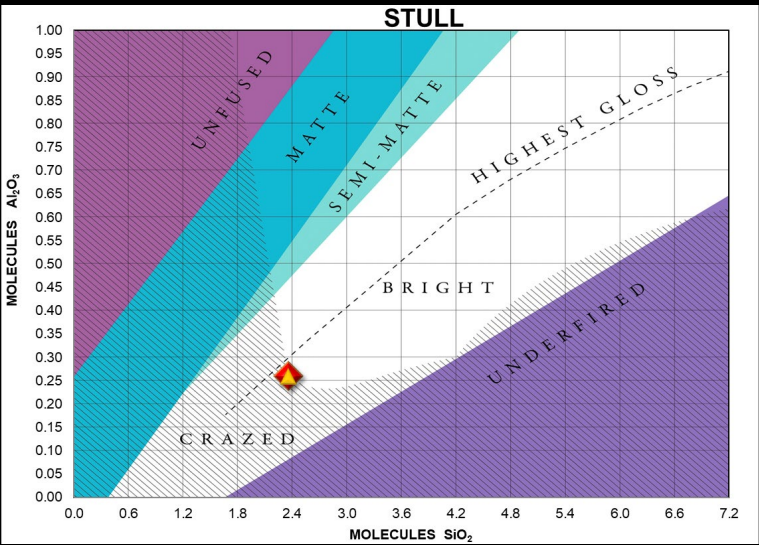
Oxidation



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 9.06 : 1		Alkali Metals 0.28		Alkaline Earths 0.72	
SiO ₂ 2.36	Collective "Al ₂ O ₃ " 0.26	Na ₂ O 0.05	K ₂ O 0.16	MgO 0.00	CaO 0.43
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂ 0.08	ZnO	FeO 0.28
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Absence

G200 EU	51.18
Whiting	15.55
EPK	3.06
Flint	16.42
Red Iron Oxide	5.17
Ultrox (Zircopax)	8.62
Water	60



1-3 Second Dip



2-3 Second Dips

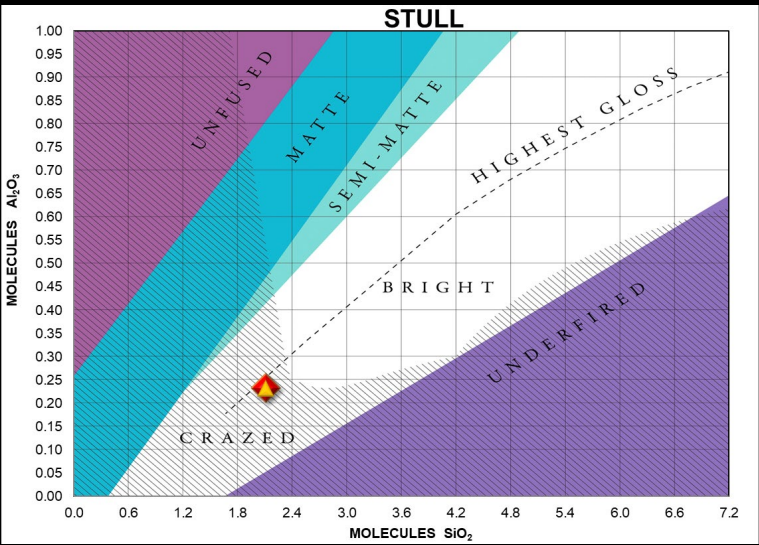


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 9.06 : 1		Alkali Metals 0.19		Alkaline Earths 0.81	
SiO ₂ 2.11	Collective "Al ₂ O ₃ " 0.23	Na ₂ O 0.04	K ₂ O 0.14	MgO 0.00	CaO 0.38
B ₂ O ₃	Al ₂ O ₃ 0.23	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.25
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.17



Ceramic
Materials
Workshop

Absence

G200 EU	56.27
Whiting	17.10
EPK	3.36
Flint	18.06
Manganese Dioxide	2.84
Nickel Carb (Green)	2.37
Water	60



1-3 Second Dip



2-3 Second Dips

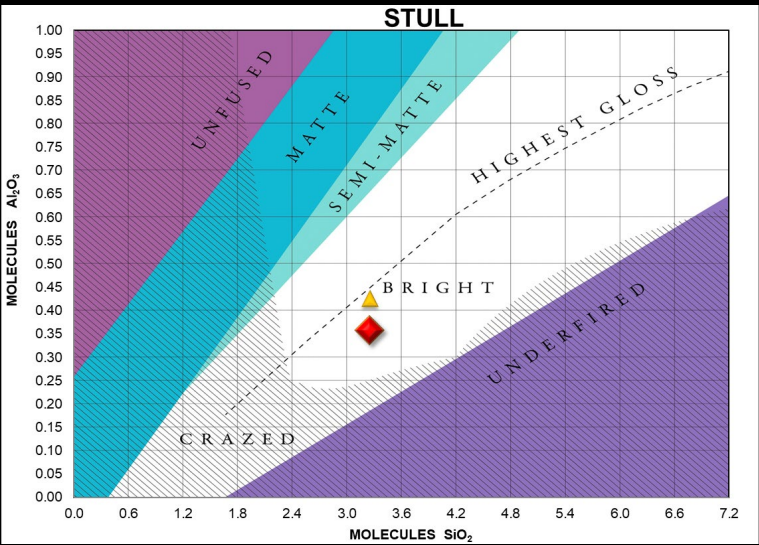


Reduction



Oxidation

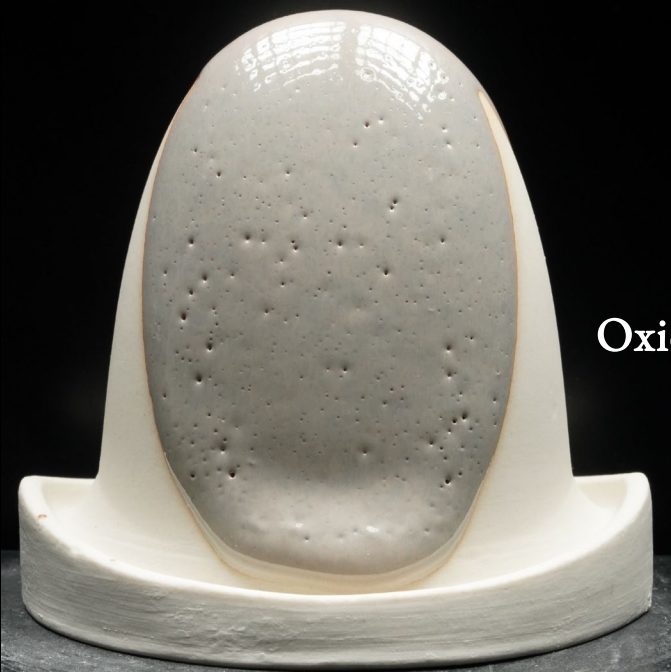
SiO ₂ :Al ₂ O ₃ Ratio 7.63 :1		Alkali Metals 0.29		Alkaline Earths 0.71	
SiO ₂ 3.25	Collective "Al ₂ O ₃ " 0.43	Na ₂ O 0.06	K ₂ O 0.22	MgO 0.00	CaO 0.59
B ₂ O ₃	Al ₂ O ₃ 0.36	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO 0.07	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂ 0.11	CoO



Ceramic
Materials
Workshop

Absence

G200 EU	54.46
Whiting	16.55
EPK	3.26
Flint	17.48
Manganese Dioxide	2.75
Titanium Dioxide	5.50
Water	60



1-3 Second Dip



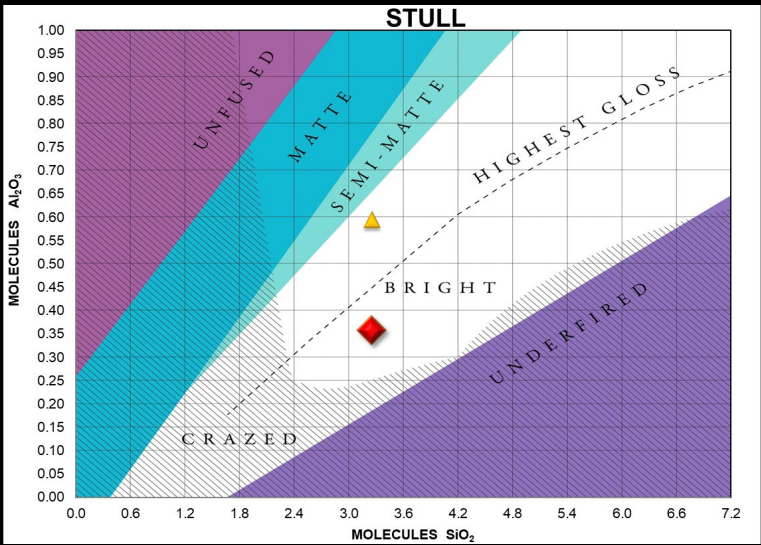
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 5.46 : 1		Alkali Metals 0.29		Alkaline Earths 0.71	
SiO ₂ 3.25	Collective "Al ₂ O ₃ " 0.60	Na ₂ O 0.06	K ₂ O 0.22	MgO 0.00	CaO 0.59
B ₂ O ₃	Al ₂ O ₃ 0.36	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.24	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂ 0.11	CoO



Ceramic
Materials
Workshop

Absence

G200 EU	54.97
Whiting	16.70
EPK	3.29
Flint	17.64
Manganese Dioxide	2.78
Tin Oxide	4.63
Water	60



1-3 Second Dip



2-3 Second Dips



1-3 Second Dip

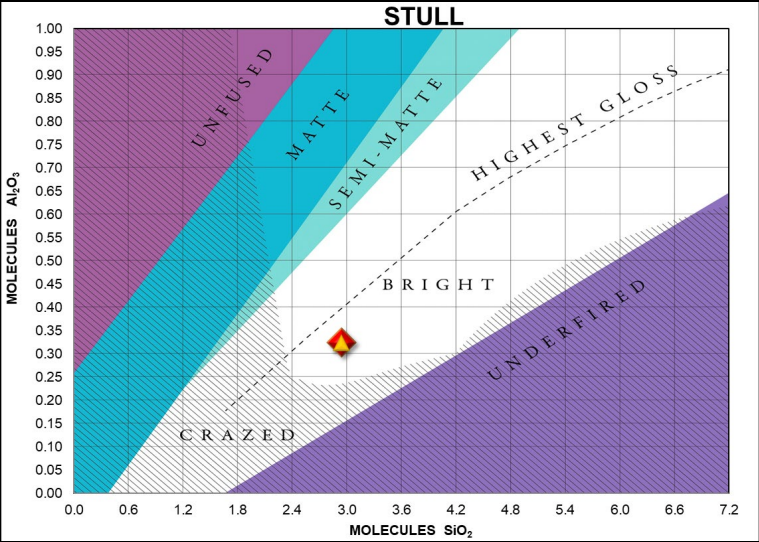


2-3 Second Dips

Oxidation

Reduction

SiO ₂ :Al ₂ O ₃ Ratio 9.06 : 1		Alkali Metals 0.35		Alkaline Earths 0.65	
SiO ₂ 2.94	Collective "Al ₂ O ₃ " 0.32	Na ₂ O 0.06	K ₂ O 0.20	MgO 0.00	CaO 0.54
B ₂ O ₃	Al ₂ O ₃ 0.32	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂ 0.10	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂ 0.10	CoO



Ceramic
Materials
Workshop

Absence

G200 EU	52.54
Whiting	15.96
EPK	3.14
Flint	16.86
Manganese Dioxide	2.65
Ultrax (Zircopax)	8.85
Water	60



1-3 Second Dip



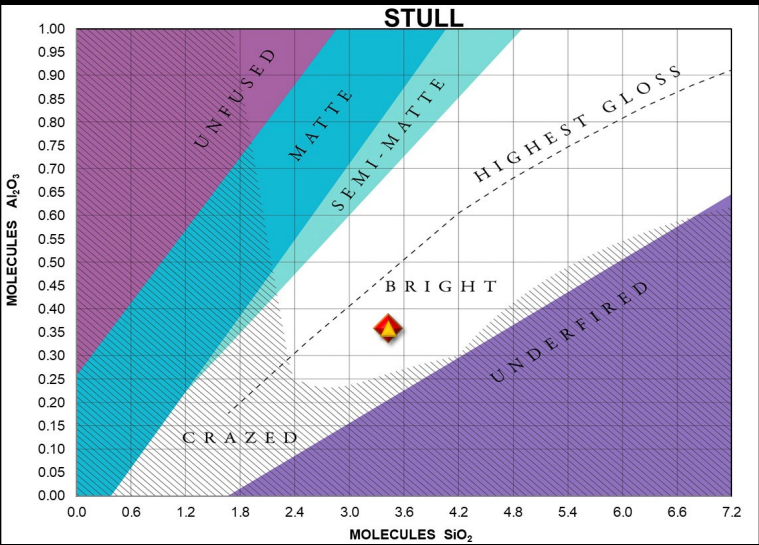
2-3 Second Dips



Oxidation

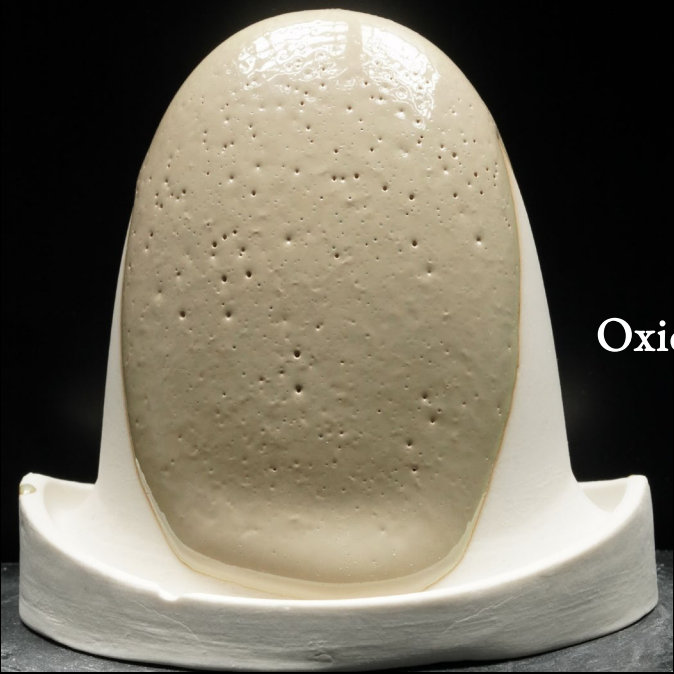
Reduction

SiO ₂ :Al ₂ O ₃ Ratio 9.55 : 1		Alkali Metals 0.29		Alkaline Earths 0.71	
SiO ₂ 3.43	Collective "Al ₂ O ₃ " 0.36	Na ₂ O 0.06	K ₂ O 0.22	MgO 0.00	CaO 0.59
B ₂ O ₃	Al ₂ O ₃ 0.36	Li ₂ O	CuO	SrO	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 0.11	CoO



Absence

G200 EU	54.71
Whiting	16.63
EPK	3.27
Flint	17.56
Nickel Carb (Green)	2.30
Titanium Dioxide	5.53
Water	60



1-3 Second Dip



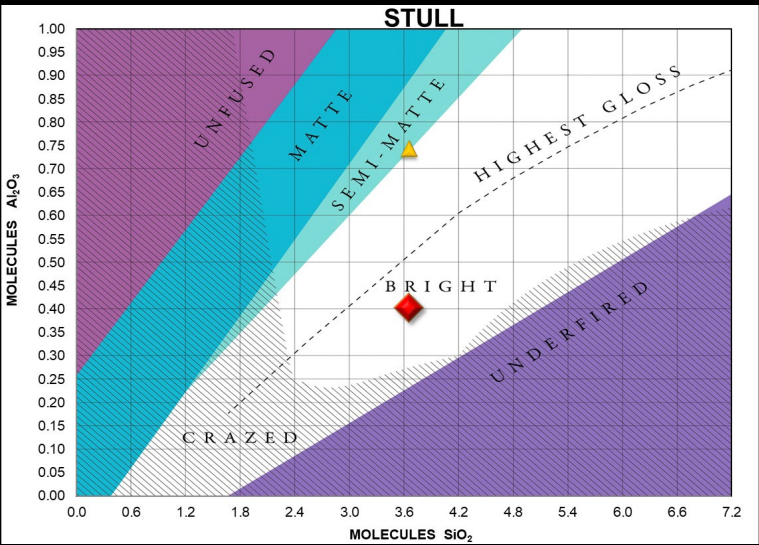
2-3 Second Dips



Oxidation

Reduction

SiO ₂ :Al ₂ O ₃ Ratio 4.91 : 1		Alkali Metals 0.32		Alkaline Earths 0.68	
SiO ₂ 3.66	Collective "Al ₂ O ₃ " 0.74	Na ₂ O 0.07	K ₂ O 0.25	MgO 0.00	CaO 0.67
B ₂ O ₃	Al ₂ O ₃ 0.40	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.27	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

Absence

G200 EU	55.22
Whiting	16.78
EPK	3.30
Flint	17.72
Nickel Carb (Green)	2.33
Tin Oxide	4.65
Water	60



1-3 Second Dip



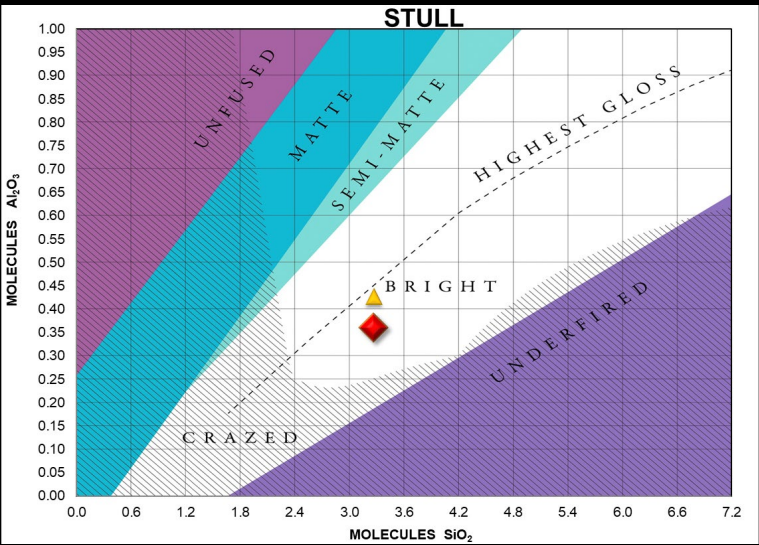
2-3 Second Dips



Reduction

Oxidation

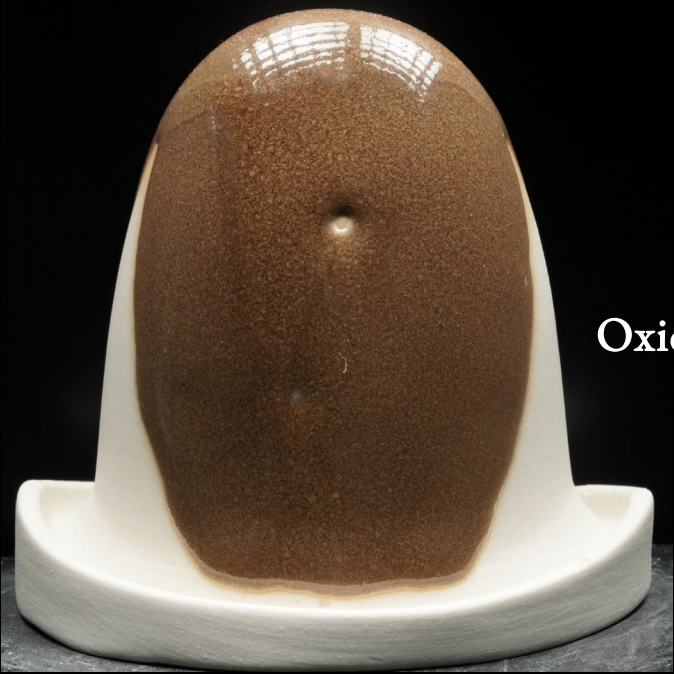
SiO ₂ :Al ₂ O ₃ Ratio 7.63 : 1		Alkali Metals 0.39		Alkaline Earths 0.61	
SiO ₂ 3.27	Collective "Al ₂ O ₃ " 0.43	Na ₂ O 0.06	K ₂ O 0.22	MgO 0.00	CaO 0.59
B ₂ O ₃	Al ₂ O ₃ 0.36	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO 0.07	Bi ₂ O ₃	SnO ₂ 0.11	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Absence

G200 EU	52.77
Whiting	16.03
EPK	3.16
Flint	16.93
Nickel Carb (Green)	2.22
Ultrax (Zircopax)	8.89
Water	60



1-3 Second Dip



2-3 Second Dips

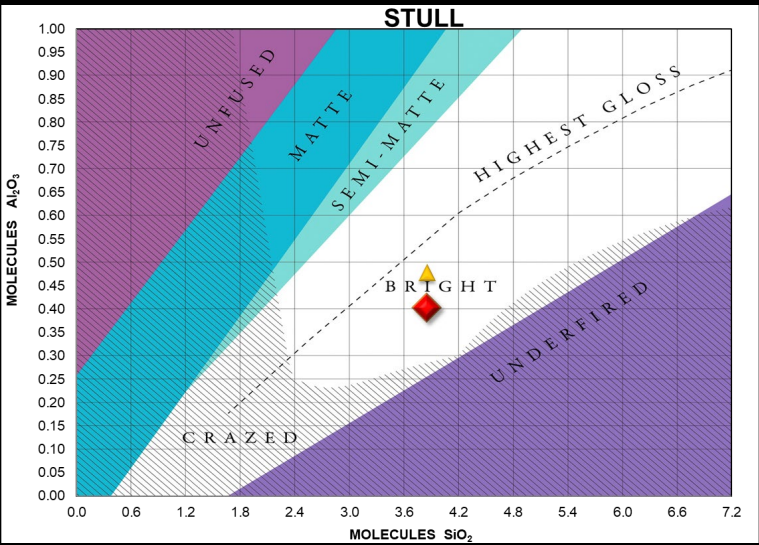


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 8.04 : 1		Alkali Metals 0.32		Alkaline Earths 0.68	
SiO ₂ 3.85	Collective "Al ₂ O ₃ " 0.48	Na ₂ O 0.07	K ₂ O 0.25	MgO 0.00	CaO 0.67
B ₂ O ₃	Al ₂ O ₃ 0.40	Li ₂ O	CuO	SrO	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



Ceramic
Materials
Workshop

Absence

G200 EU	53.48
Whiting	16.25
EPK	3.20
Flint	17.16
Titanium Dioxide	5.40
Tin Oxide	4.50
Water	60



1-3 Second Dip



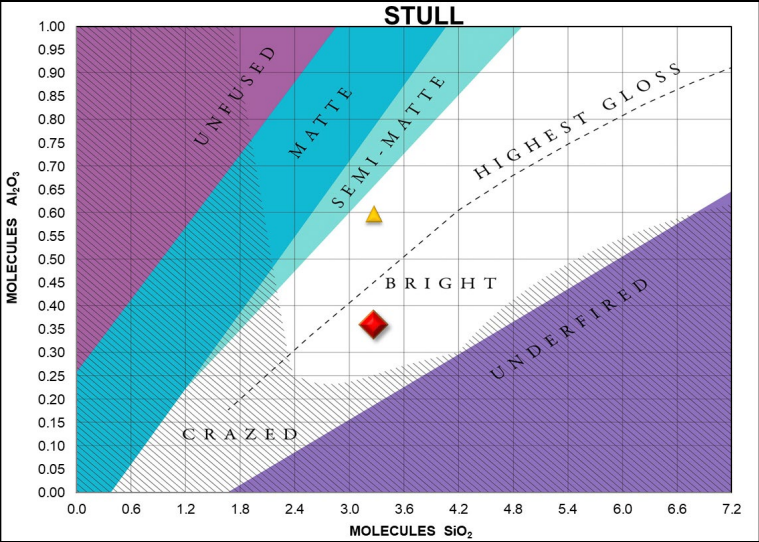
2-3 Second Dips



Oxidation

Reduction

SiO ₂ :Al ₂ O ₃ Ratio 5.46 : 1		Alkali Metals 0.39		Alkaline Earths 0.61	
SiO ₂ 3.27	Collective "Al ₂ O ₃ " 0.60	Na ₂ O 0.06	K ₂ O 0.22	MgO 0.00	CaO 0.59
B ₂ O ₃	Al ₂ O ₃ 0.36	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.24	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



Ceramic
Materials
Workshop

Absence

G200 EU	51.18
Whiting	15.55
EPK	3.06
Flint	16.42
Titanium Dioxide	5.17
Ultrax (Zircopax)	8.62
Water	60



1-3 Second Dip



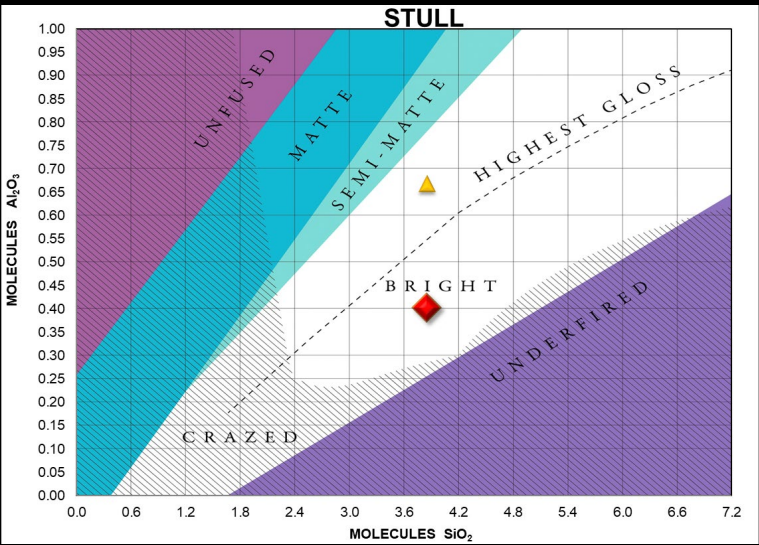
2-3 Second Dips



Oxidation

Reduction

SiO ₂ :Al ₂ O ₃ Ratio 5.75 : 1		Alkali Metals 0.32		Alkaline Earths 0.68	
SiO ₂ 3.85	Collective "Al ₂ O ₃ " 0.67	Na ₂ O 0.07	K ₂ O 0.25	MgO 0.00	CaO 0.67
B ₂ O ₃	Al ₂ O ₃ 0.40	Li ₂ O	CuO	SrO	BaO
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



Absence

G200 EU	51.62
Whiting	15.69
EPK	3.09
Flint	16.56
Tin Oxide	4.35
Ultrox (Zircopax)	8.69
Water	60



1-3 Second Dip



2-3 Second Dips



Oxidation

Reduction

SiO ₂ :Al ₂ O ₃ Ratio 9.55 : 1		Alkali Metals 0.39		Alkaline Earths 0.61	
SiO ₂ 3.44	Collective "Al ₂ O ₃ " 0.36	Na ₂ O 0.06	K ₂ O 0.22	MgO 0.00	CaO 0.59
B ₂ O ₃	Al ₂ O ₃ 0.36	Li ₂ O	CuO	SrO	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

