

Tangerine- Δ 6

Lab 5b-Color Wheel 2-Individual

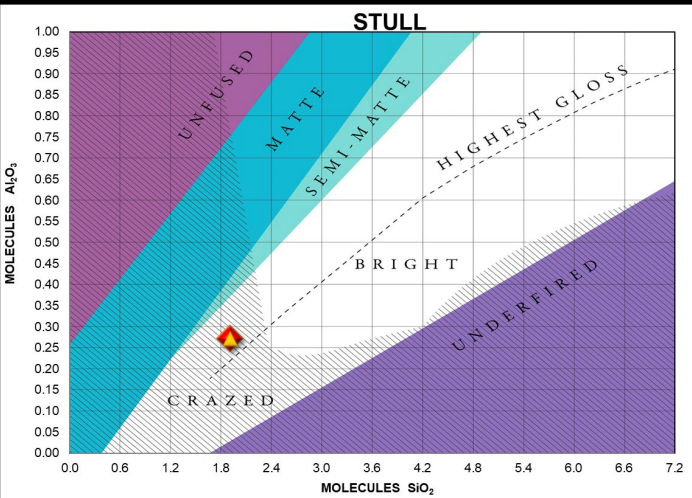


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UMF

SiO ₂ :Al ₂ O ₃ Ratio 7.03 : 1		Alkali Metals 0.22		Alkaline Earths 0.78	
SiO ₂ 2.09	Collective "Al ₂ O ₃ " 0.30	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.00	CaO 0.43
B ₂ O ₃	Al ₂ O ₃ 0.30	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO 0.34	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



EUMF

SiO ₂ :Al ₂ O ₃ Ratio 7.03 : 1		Alkali Metals 0.20		Alkaline Earths 0.80	
SiO ₂ 1.91	Collective "Al ₂ O ₃ " 0.27	Na ₂ O 0.16	K ₂ O 0.05	MgO 0.00	CaO 0.39
B ₂ O ₃	Al ₂ O ₃ 0.27	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO 0.32	FeO 0.09
Cr ₂ O ₃ 0.00	ZrO ₂	P ₂ O ₅		MnO ₂	CoO

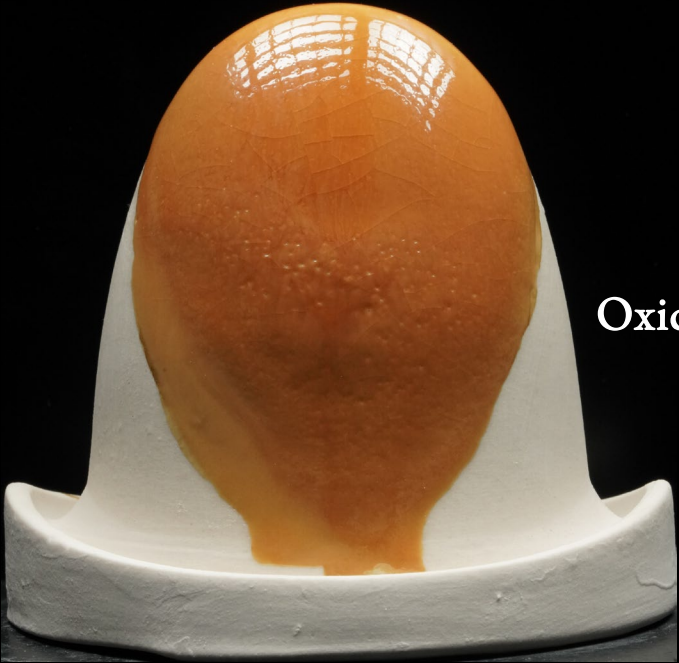


Tangerine

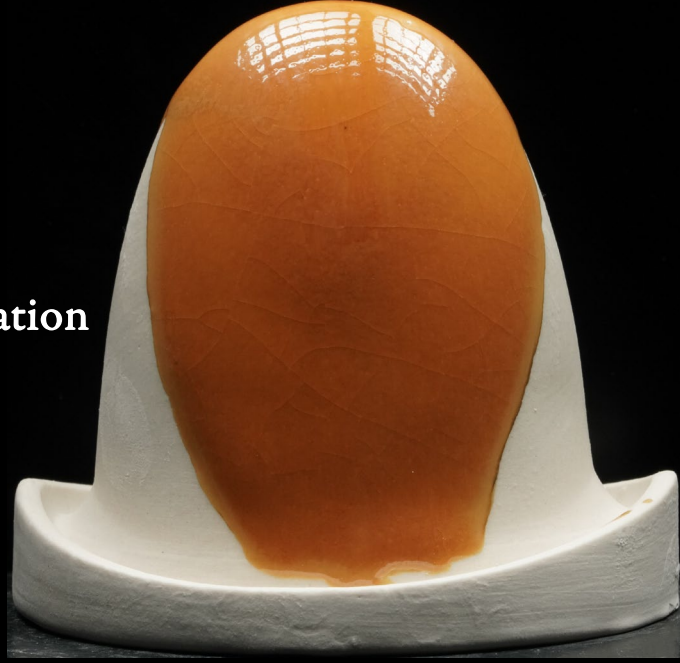
Original

070922-1

Neph Sy	42.25
Whiting	17.13
Zinc Oxide	11.42
EPK	7.99
Flint	21.20
Chrome Oxide	0.20
Red Iron Oxide	1.84
Water	60



1-3 Second Dip



2-3 Second Dips



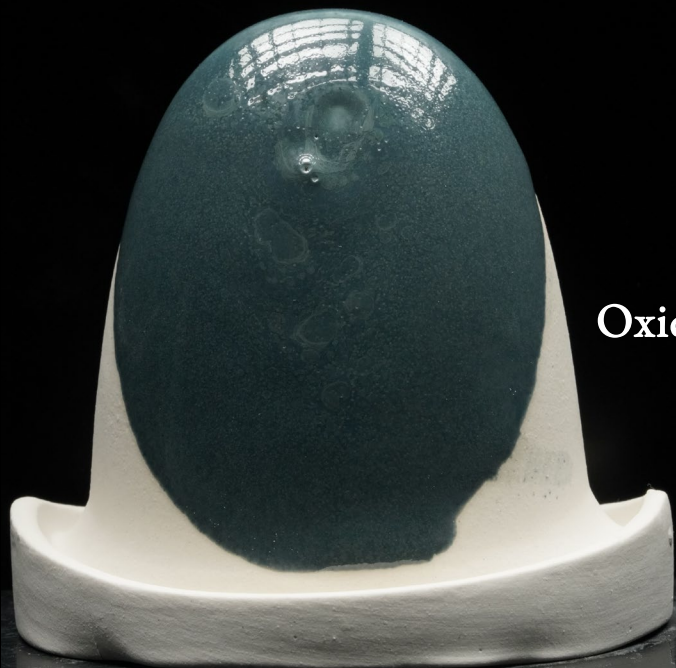
Reduction



Ceramic Materials Workshop

Tangerine

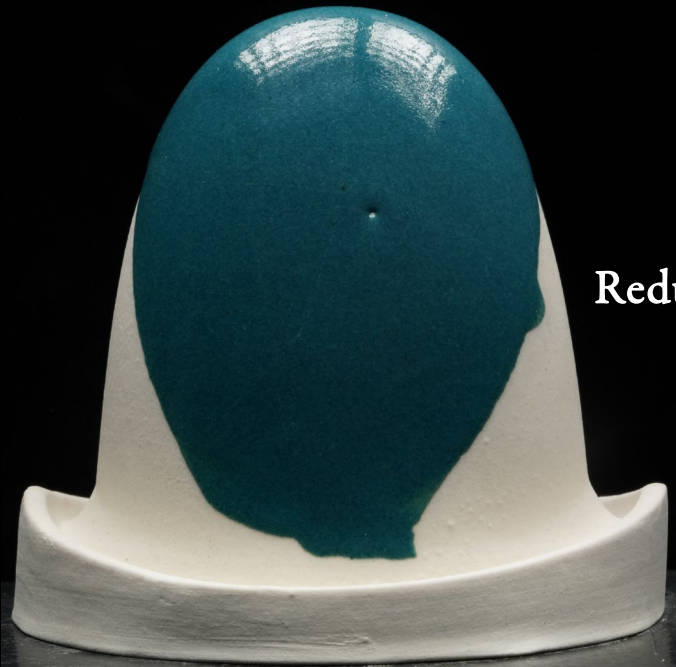
Neph Sy	41.43
Whiting	16.79
Zinc Oxide	11.20
EPK	7.84
Flint	20.78
Cobalt Carbonate	0.98
Chrome Oxide	0.98
Water	70



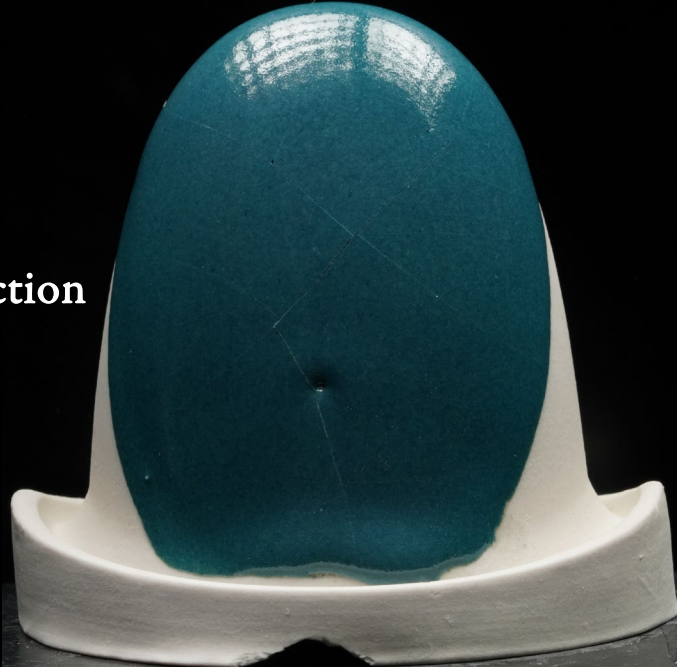
1-3 Second Dip



2-3 Second Dips

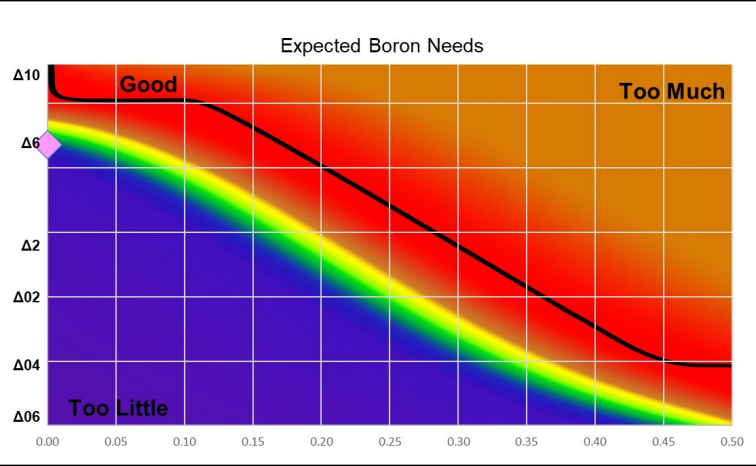
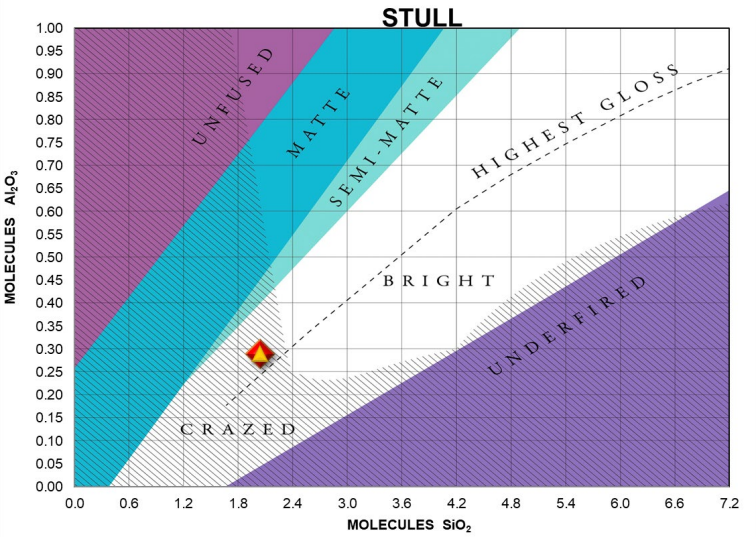


Reduction



Oxidation

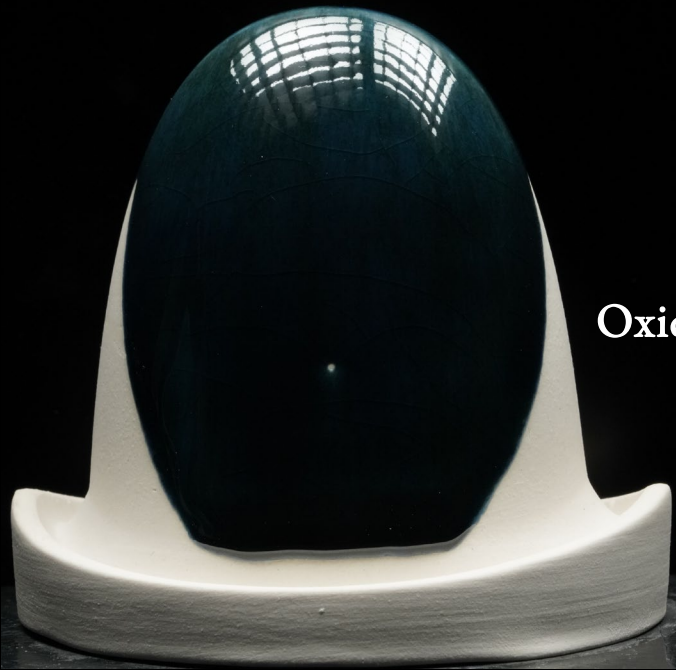
SiO ₂ :Al ₂ O ₃ Ratio 7.03 : 1		Alkali Metals 0.22		Alkaline Earths 0.78	
SiO ₂ 2.04	Collective "Al ₂ O ₃ " 0.29	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.00	CaO 0.42
B ₂ O ₃	Al ₂ O ₃ 0.29	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO 0.34	FeO 0.00
Cr ₂ O ₃ 0.02	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.02



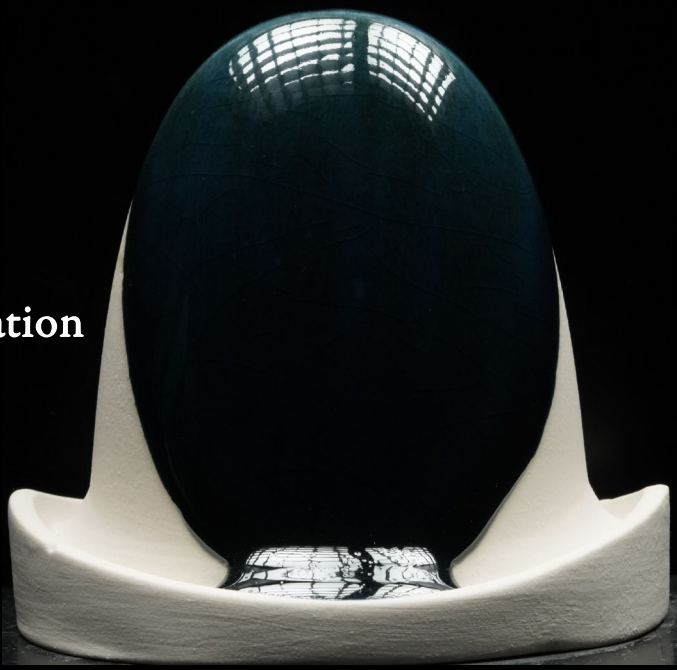
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Tangerine

Neph Sy	40.63
Whiting	16.47
Zinc Oxide	10.98
EPK	7.69
Flint	20.38
Cobalt Carbonate	0.96
Copper Carbonate	2.88
Water	70



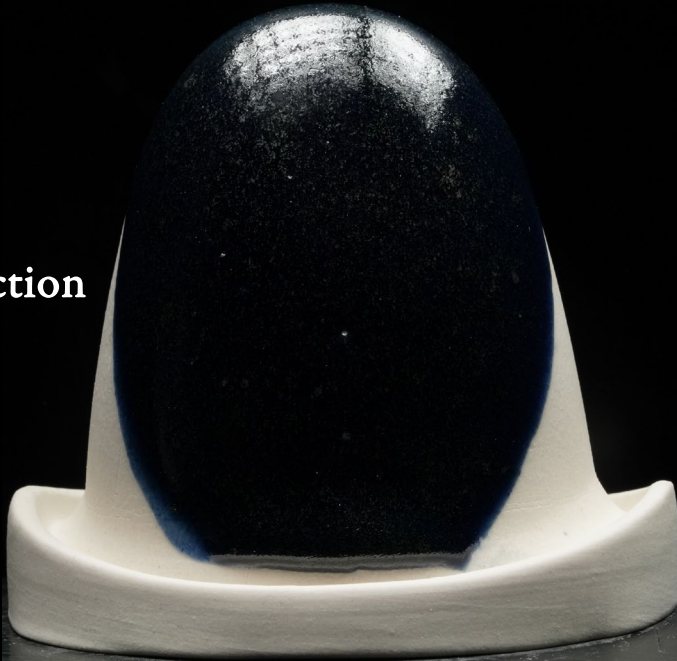
1-3 Second Dip



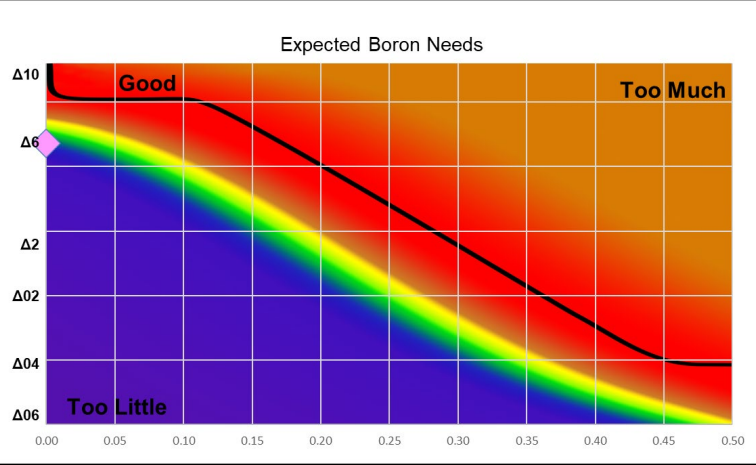
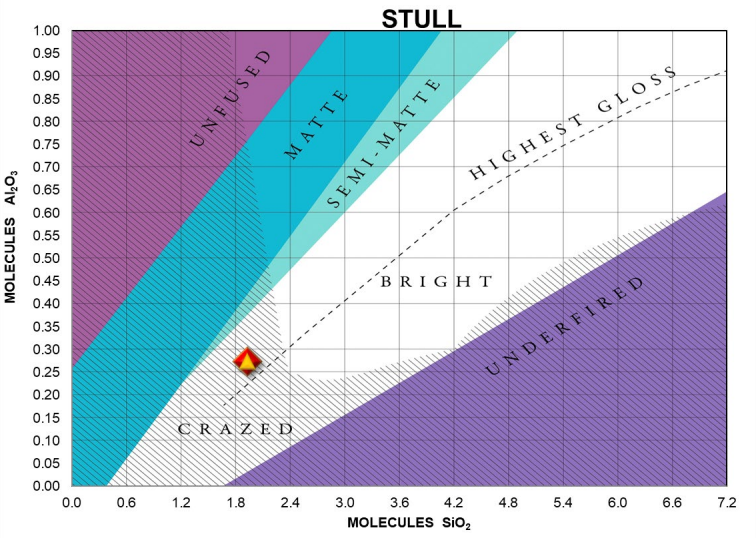
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 7.03 :1		Alkali Metals 0.26		Alkaline Earths 0.74	
SiO ₂ 1.93	Collective "Al ₂ O ₃ " 0.27	Na ₂ O 0.16	K ₂ O 0.05	MgO 0.00	CaO 0.40
B ₂ O ₃	Al ₂ O ₃ 0.27	Li ₂ O	CuO 0.06	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO 0.32	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.02



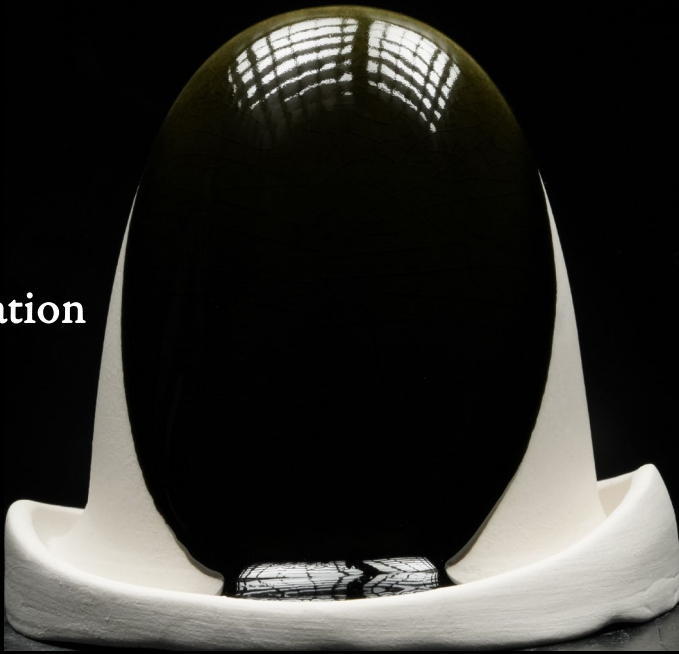
Ceramic
Materials
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Tangerine

Neph Sy	39.49
Whiting	16.01
Zinc Oxide	10.67
EPK	7.47
Flint	19.81
Cobalt Carbonate	0.93
Red Iron Oxide	5.61
Water	70



1-3 Second Dip



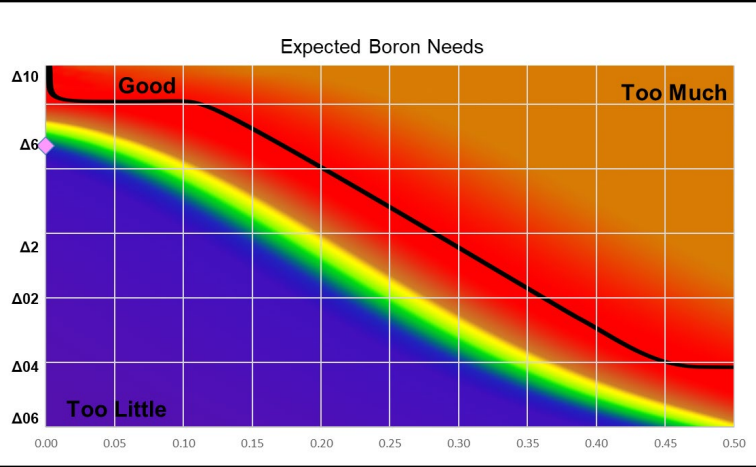
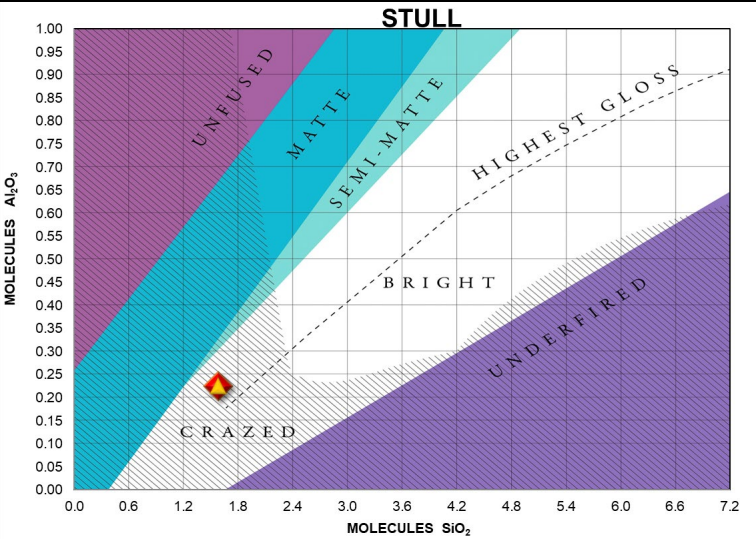
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 7.03 : 1		Alkali Metals 0.17		Alkaline Earths 0.83	
SiO ₂ 1.59	Collective "Al ₂ O ₃ " 0.23	Na ₂ O 0.13	K ₂ O 0.04	MgO 0.00	CaO 0.32
B ₂ O ₃	Al ₂ O ₃ 0.22	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO 0.26	FeO 0.23
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.02



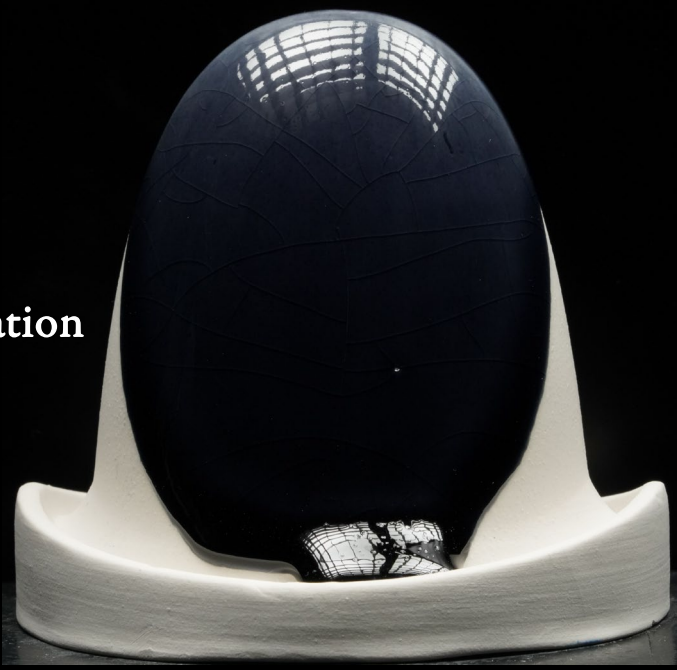
Ceramic
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Tangerine

Neph Sy	40.63
Whiting	16.47
Zinc Oxide	10.98
EPK	7.69
Flint	20.38
Cobalt Carbonate	0.96
Manganese Dioxide	2.88
Water	70

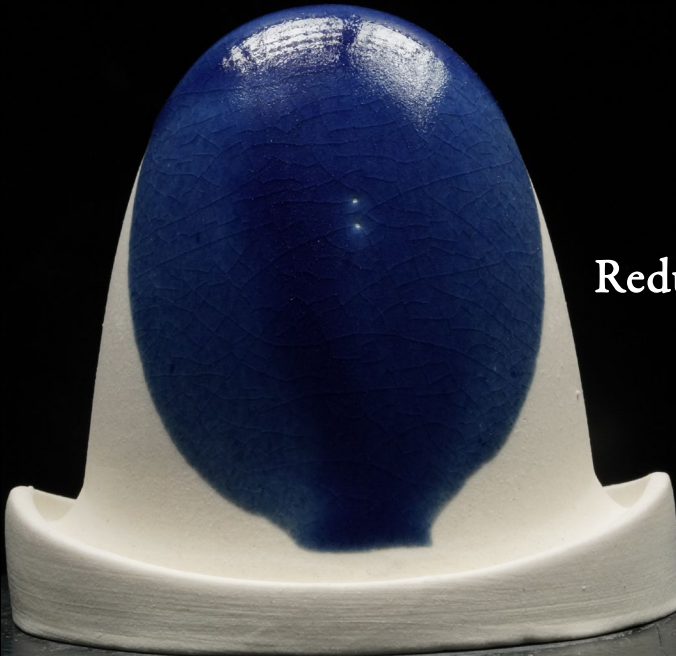


1-3 Second Dip



2-3 Second Dips

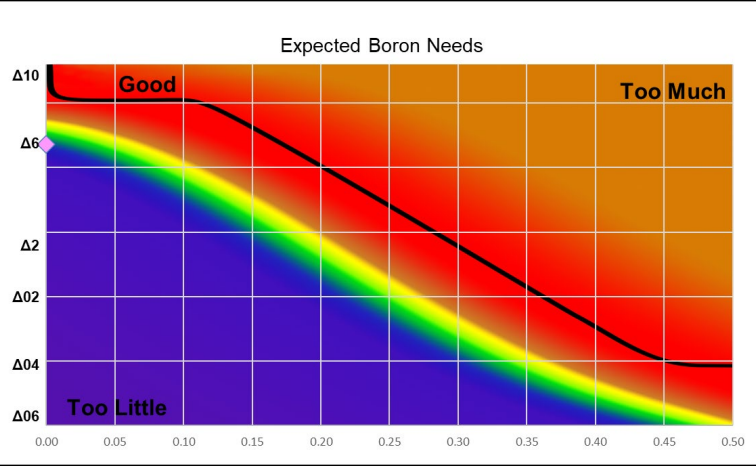
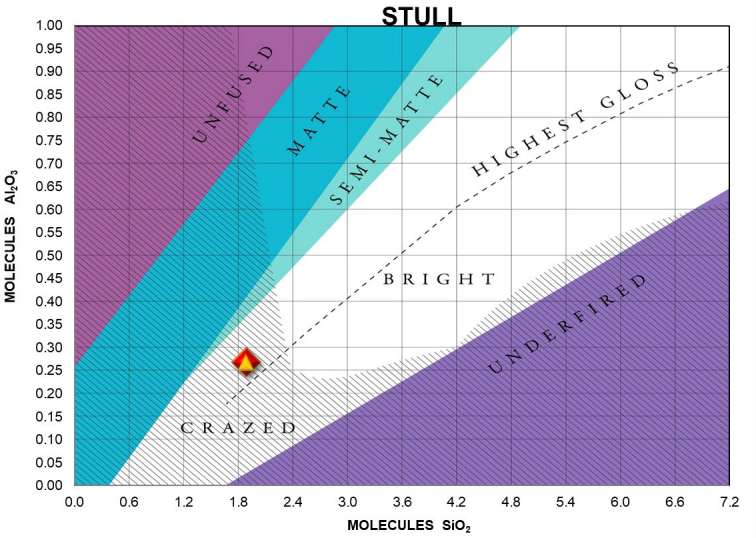
Oxidation



Reduction



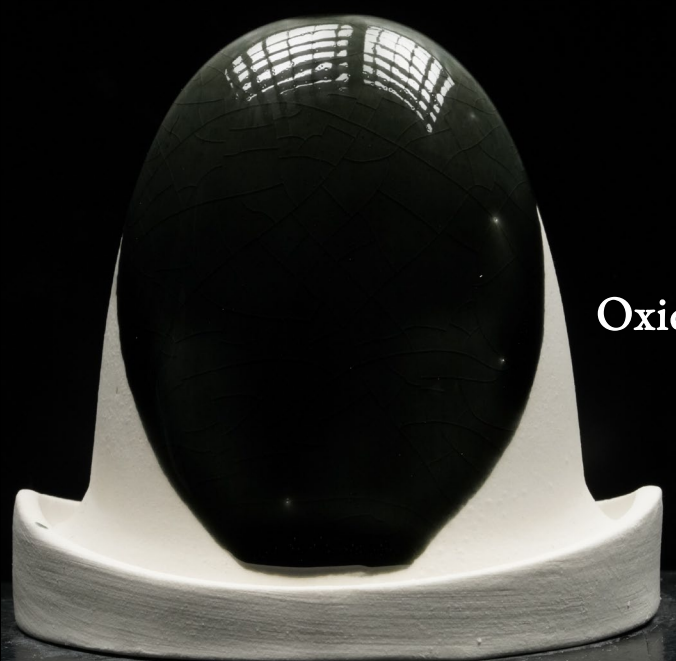
SiO ₂ :Al ₂ O ₃ Ratio 7.03 :1		Alkali Metals 0.20		Alkaline Earths 0.80	
SiO ₂ 1.89	Collective "Al ₂ O ₃ " 0.27	Na ₂ O 0.16	K ₂ O 0.04	MgO 0.00	CaO 0.39
B ₂ O ₃	Al ₂ O ₃ 0.27	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO 0.31	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂ 0.08	CoO 0.02



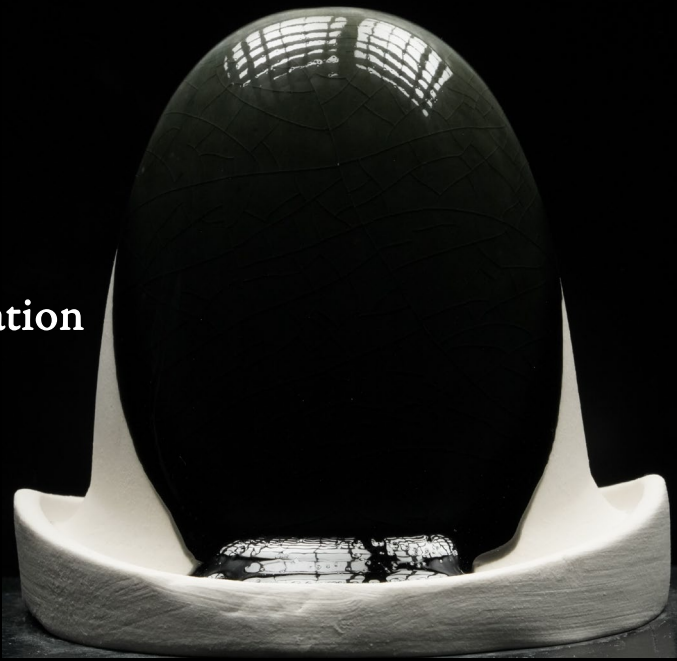
Ceramic
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Tangerine

Neph Sy	40.83
Whiting	16.55
Zinc Oxide	11.03
EPK	7.72
Flint	20.48
Cobalt Carbonate	0.97
Nickel Carb (Green)	2.42
Water	70



1-3 Second Dip



2-3 Second Dips

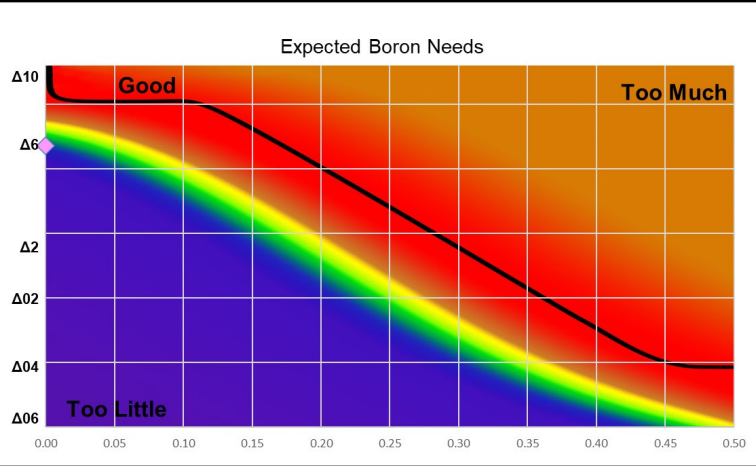
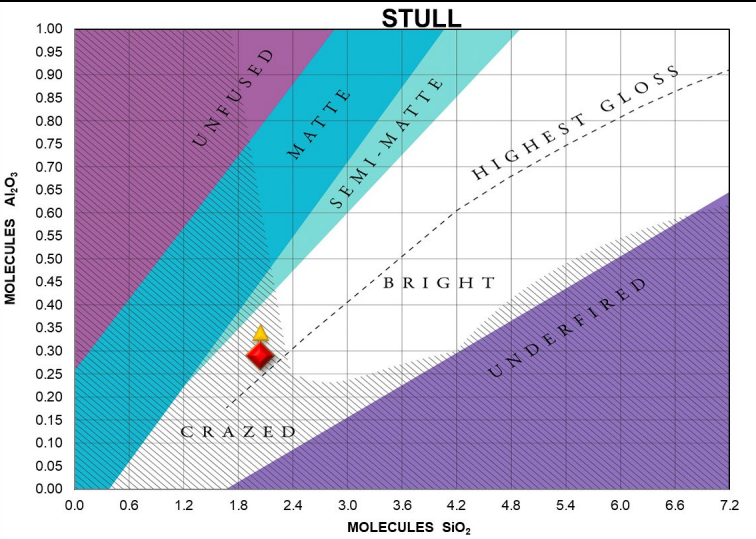


Reduction



Oxidation

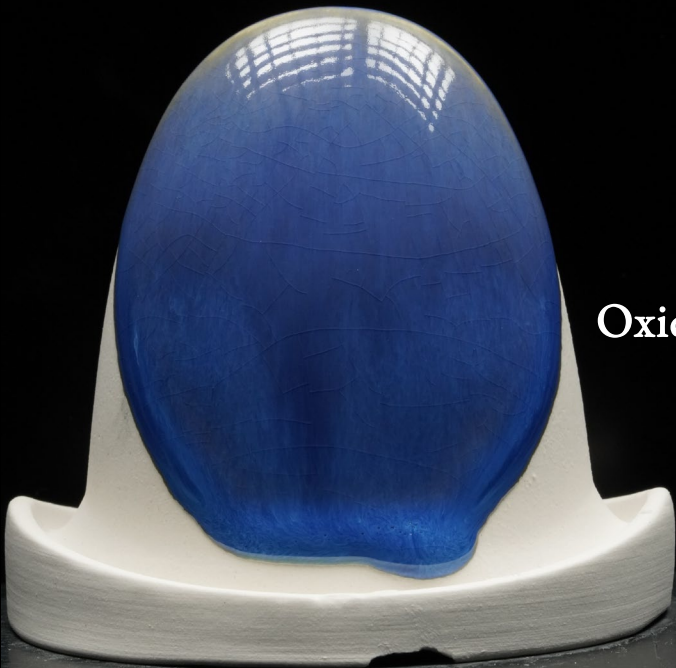
SiO ₂ :Al ₂ O ₃ Ratio 5.98 : 1		Alkali Metals 0.22		Alkaline Earths 0.78	
SiO ₂ 2.04	Collective "Al ₂ O ₃ " 0.34	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.00	CaO 0.42
B ₂ O ₃	Al ₂ O ₃ 0.29	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO 0.05	Bi ₂ O ₃	SnO ₂	ZnO 0.34	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.02



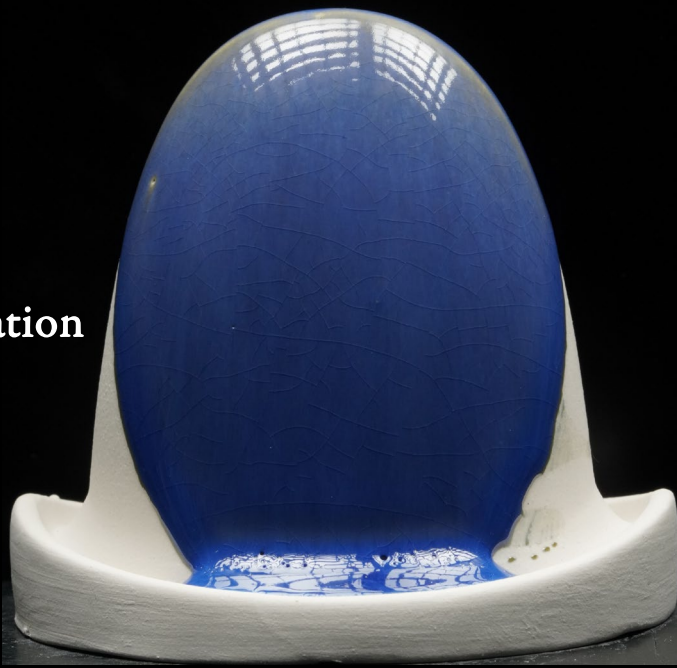
Ceramic
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Tangerine

Neph Sy	39.49
Whiting	16.01
Zinc Oxide	10.67
EPK	7.47
Flint	19.81
Cobalt Carbonate	0.93
Titanium Dioxide	5.61
Water	80



1-3 Second Dip



2-3 Second Dips

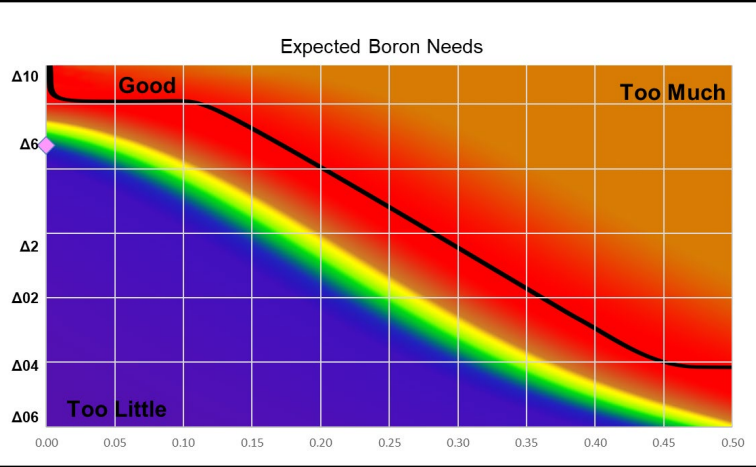
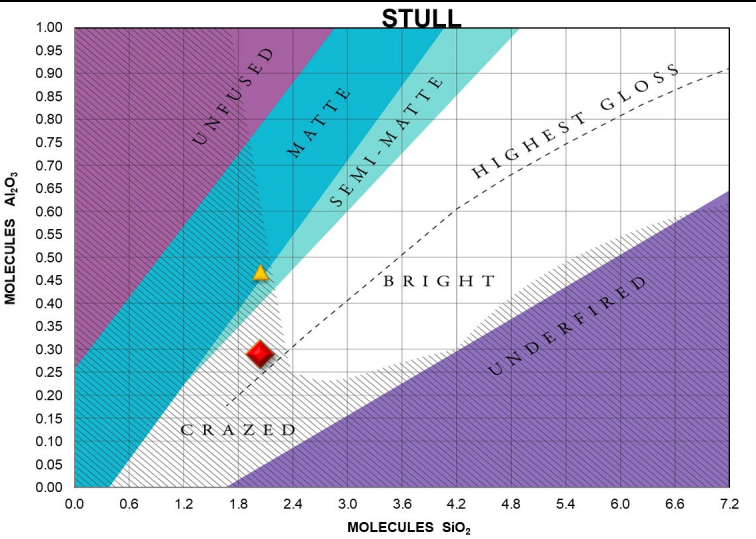


Reduction



Oxidation

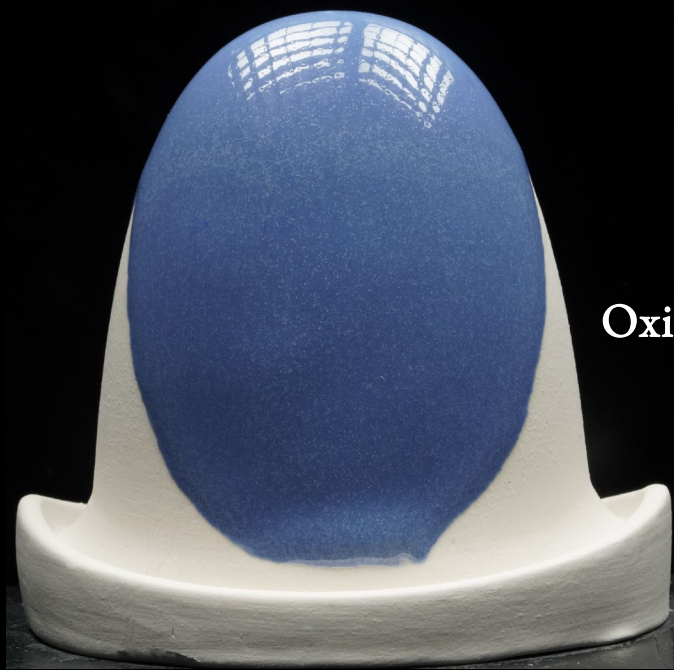
SiO ₂ :Al ₂ O ₃ Ratio 4.35 :1		Alkali Metals 0.22		Alkaline Earths 0.78	
SiO ₂ 2.04	Collective "Al ₂ O ₃ " 0.47	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.00	CaO 0.42
B ₂ O ₃	Al ₂ O ₃ 0.29	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.18	NiO	Bi ₂ O ₃	SnO ₂	ZnO 0.34	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.02



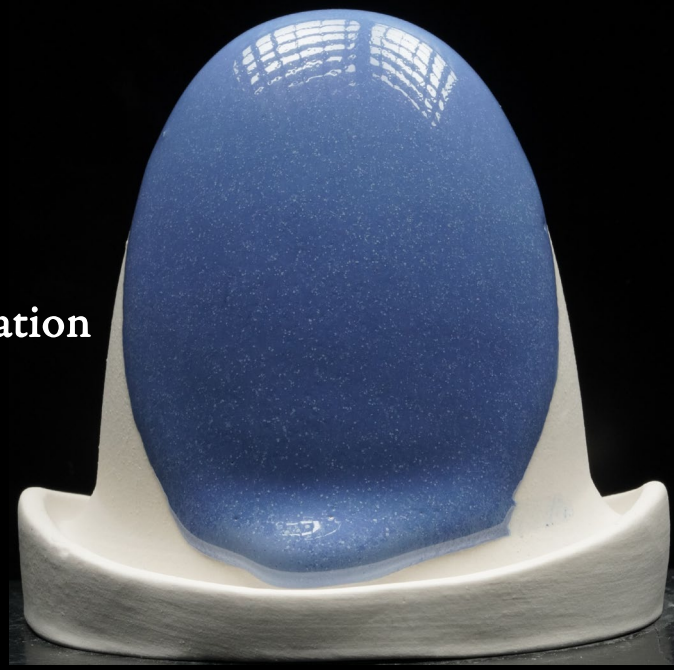
Ceramic
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Tangerine

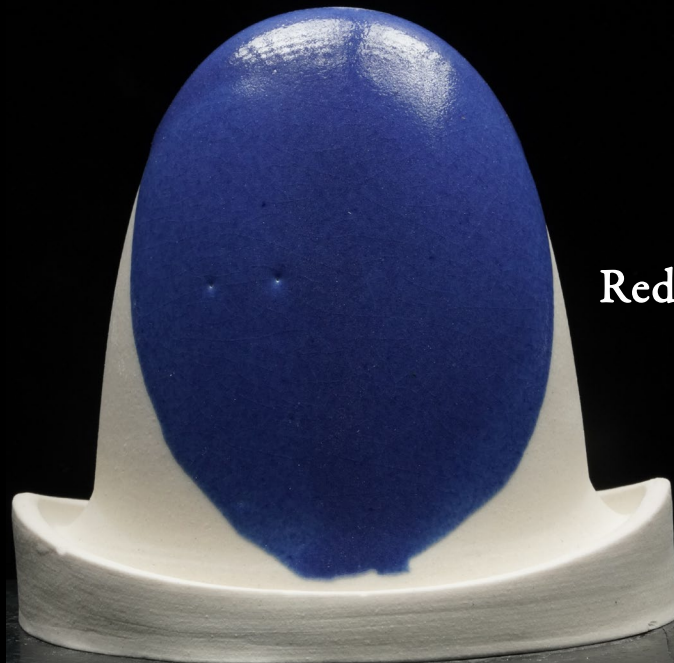
Neph Sy	39.86
Whiting	16.16
Zinc Oxide	10.77
EPK	7.54
Flint	20.00
Cobalt Carbonate	0.94
Tin Oxide	4.72
Water	70



1-3 Second Dip



2-3 Second Dips

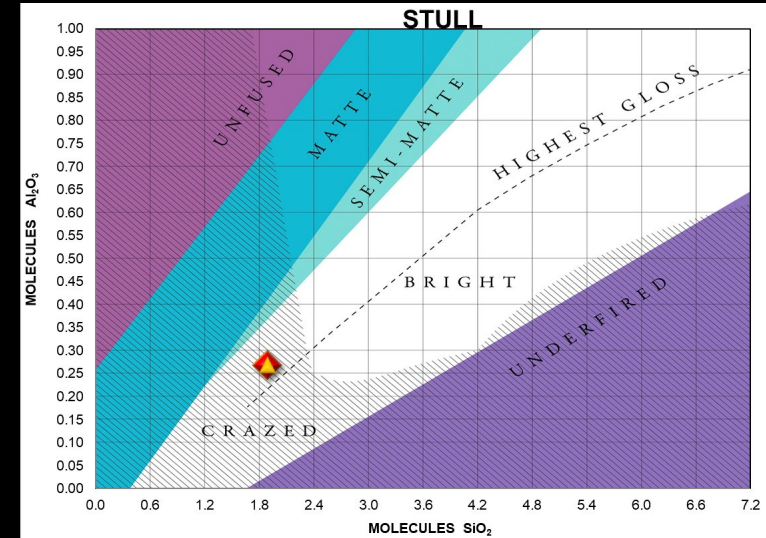


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 7.03 :1		Alkali Metals 0.28		Alkaline Earths 0.72	
SiO ₂ 1.89	Collective "Al ₂ O ₃ " 0.27	Na ₂ O 0.16	K ₂ O 0.04	MgO 0.00	CaO 0.39
B ₂ O ₃	Al ₂ O ₃ 0.27	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂ 0.07	ZnO 0.31	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.02



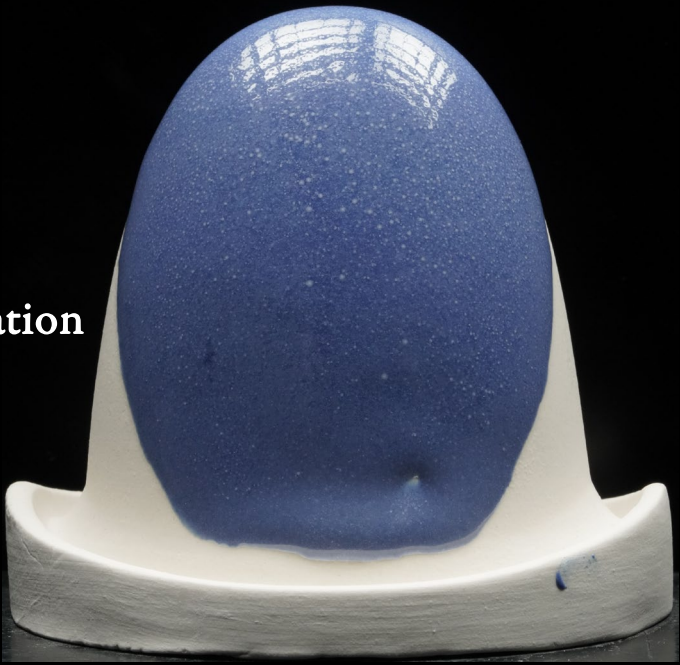
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Tangerine

Neph Sy	38.07
Whiting	15.43
Zinc Oxide	10.29
EPK	7.20
Flint	19.10
Cobalt Carbonate	0.90
Ultrox (Zircopax)	9.01
Water	80



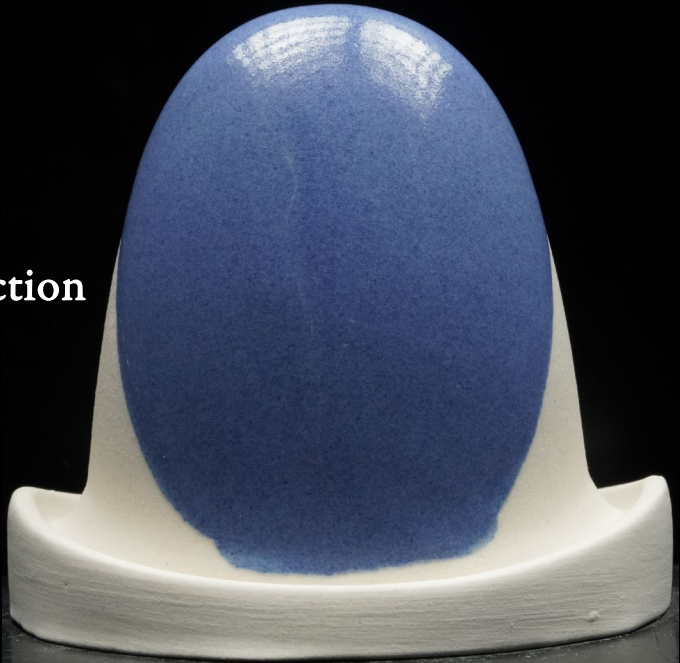
1-3 Second Dip



2-3 Second Dips

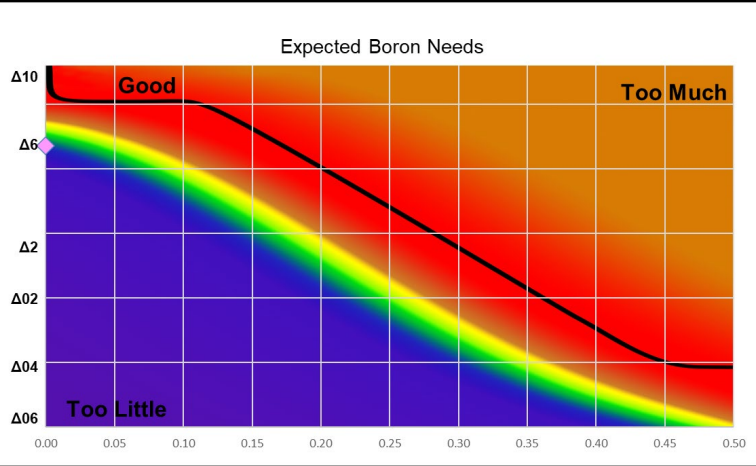
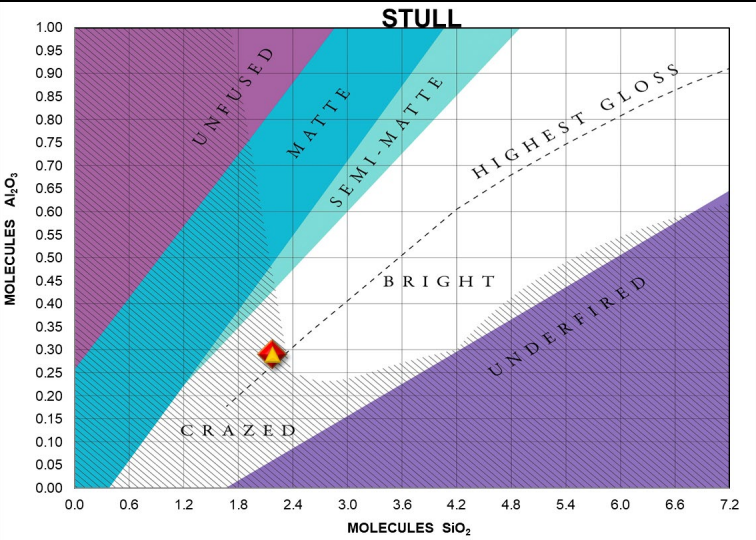


Reduction



Oxidation

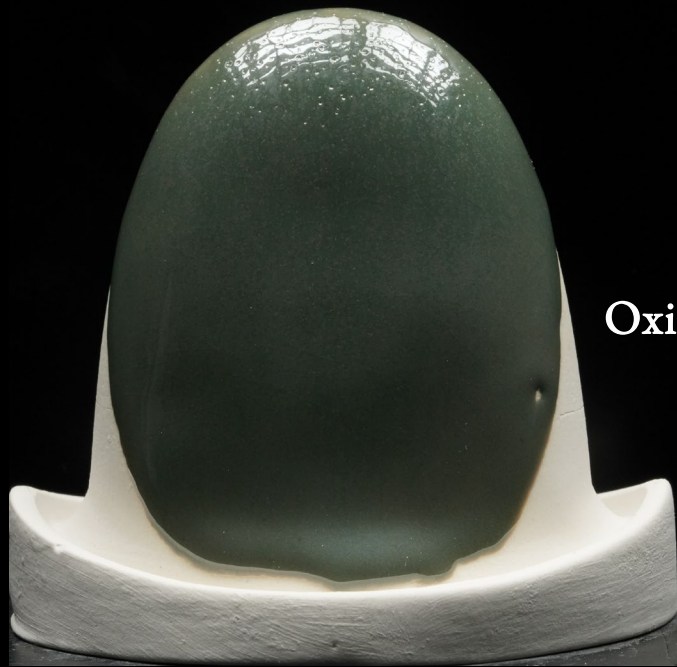
SiO ₂ :Al ₂ O ₃ Ratio 7.48 :1		Alkali Metals 0.22		Alkaline Earths 0.78	
SiO ₂ 2.18	Collective "Al ₂ O ₃ " 0.29	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.00	CaO 0.42
B ₂ O ₃	Al ₂ O ₃ 0.29	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO 0.34	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.02



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Tangerine

Neph Sy	40.63
Whiting	16.47
Zinc Oxide	10.98
EPK	7.69
Flint	20.38
Chrome Oxide	0.96
Copper Carbonate	2.88
Water	60



Oxidation

1-3 Second Dip



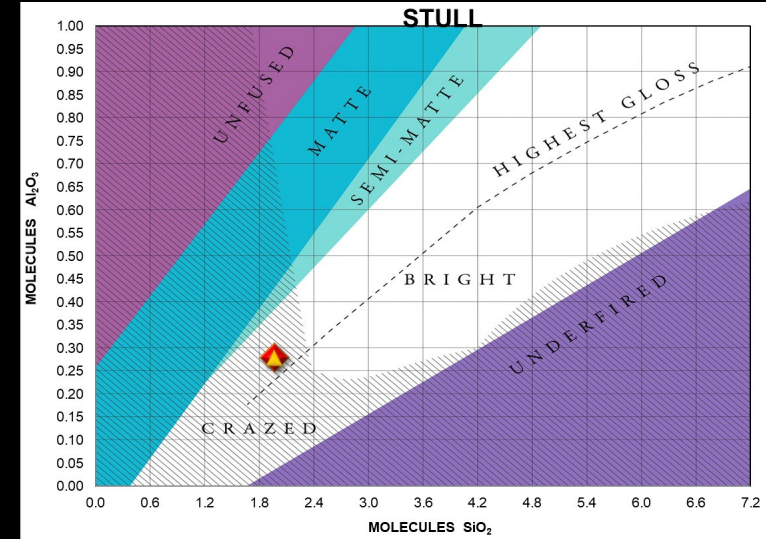
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 7.03 : 1		Alkali Metals 0.27		Alkaline Earths 0.73	
SiO ₂ 1.97	Collective "Al ₂ O ₃ " 0.28	Na ₂ O 0.16	K ₂ O 0.05	MgO 0.00	CaO 0.40
B ₂ O ₃	Al ₂ O ₃ 0.28	Li ₂ O	CuO 0.06	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO 0.33	FeO 0.00
Cr ₂ O ₃ 0.02	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



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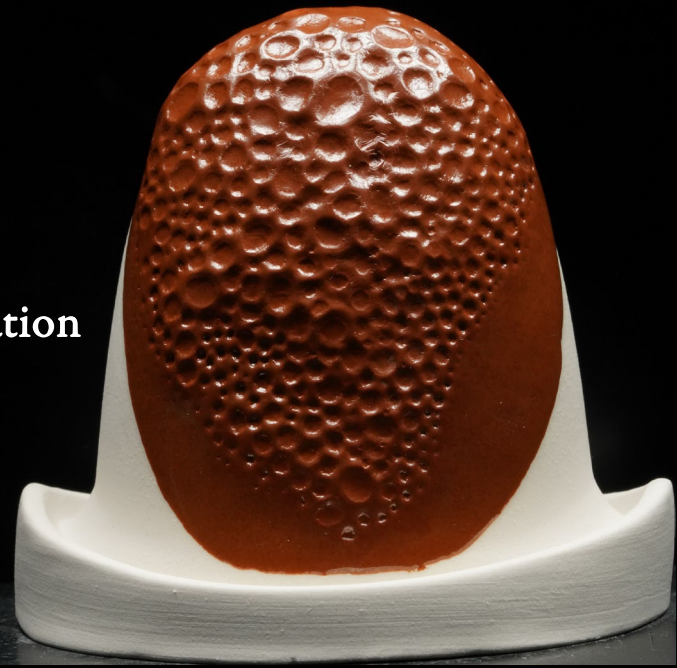
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Tangerine

Neph Sy	39.49
Whiting	16.01
Zinc Oxide	10.67
EPK	7.47
Flint	19.81
Chrome Oxide	0.93
Red Iron Oxide	5.61
Water	60



1-3 Second Dip



2-3 Second Dips

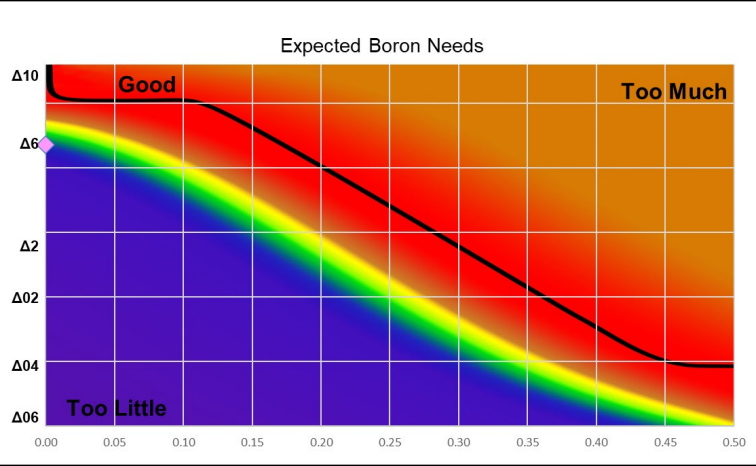
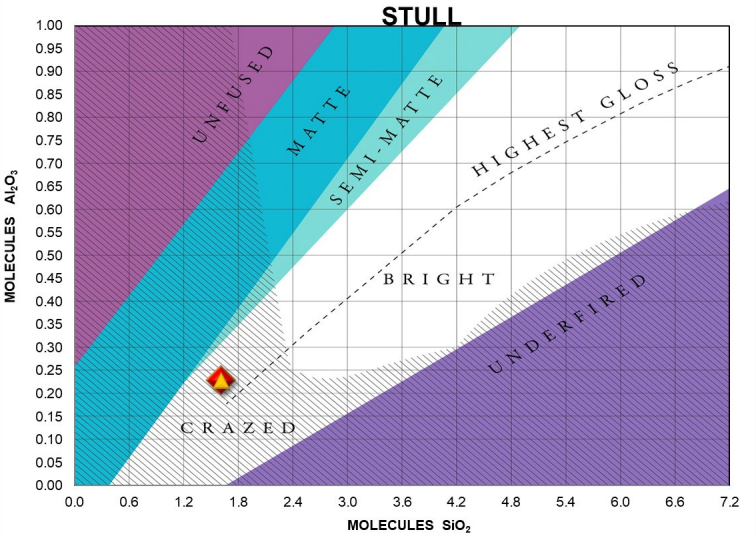
Oxidation



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 7.03 : 1		Alkali Metals 0.17		Alkaline Earths 0.83	
SiO ₂ 1.61	Collective "Al ₂ O ₃ " 0.23	Na ₂ O 0.13	K ₂ O 0.04	MgO 0.00	CaO 0.33
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 0.27	FeO 0.23
Cr ₂ O ₃ 0.01	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



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Tangerine

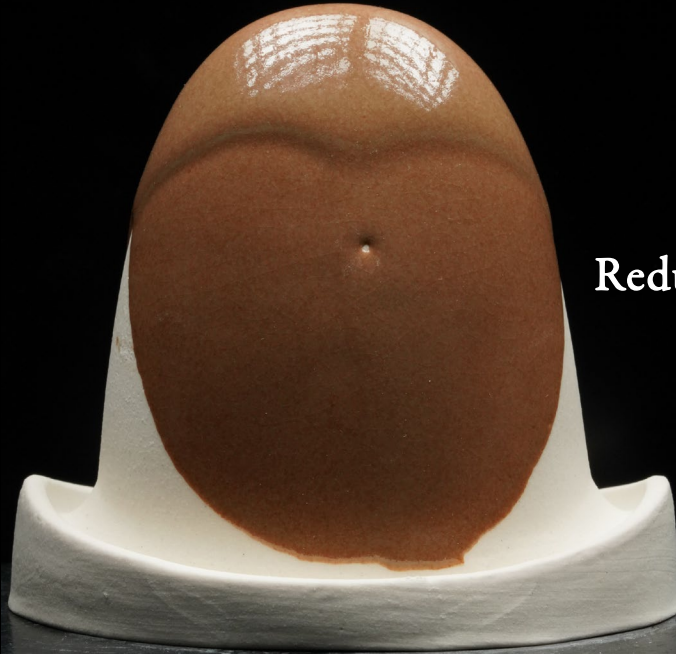
Neph Sy	40.63
Whiting	16.47
Zinc Oxide	10.98
EPK	7.69
Flint	20.38
Chrome Oxide	0.96
Manganese Dioxide	2.88
Water	70



1-3 Second Dip



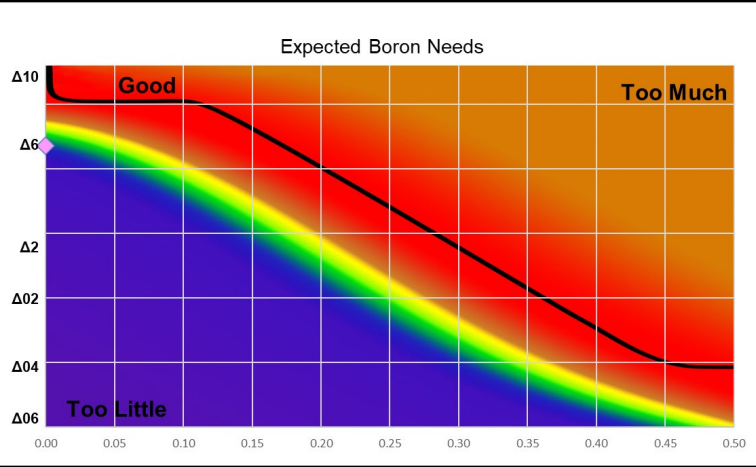
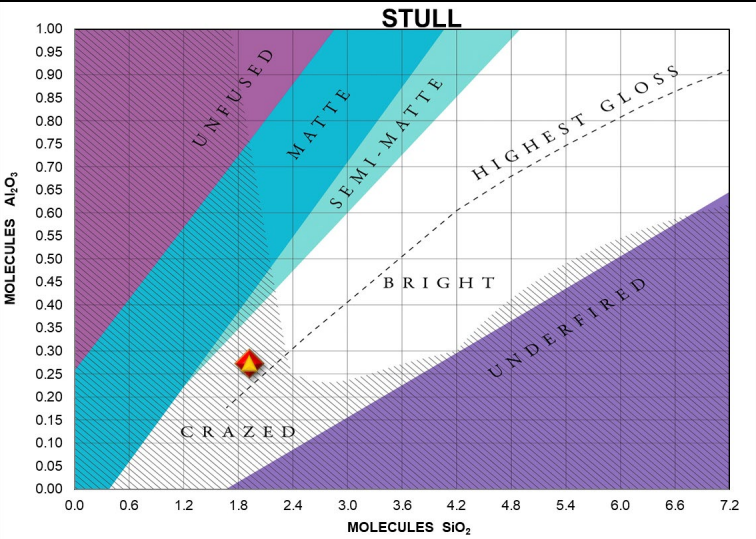
2-3 Second Dips



Reduction



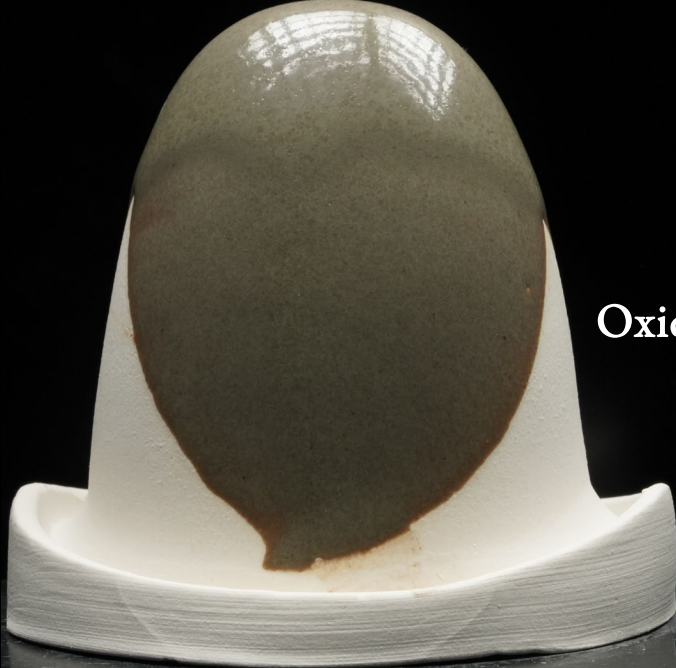
SiO ₂ :Al ₂ O ₃ Ratio 7.03 : 1		Alkali Metals 0.20		Alkaline Earths 0.80	
SiO ₂ 1.92	Collective "Al ₂ O ₃ " 0.27	Na ₂ O 0.16	K ₂ O 0.05	MgO 0.00	CaO 0.39
B ₂ O ₃	Al ₂ O ₃ 0.27	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO 0.32	FeO 0.00
Cr ₂ O ₃ 0.01	ZrO ₂	P ₂ O ₅		MnO ₂ 0.08	CoO



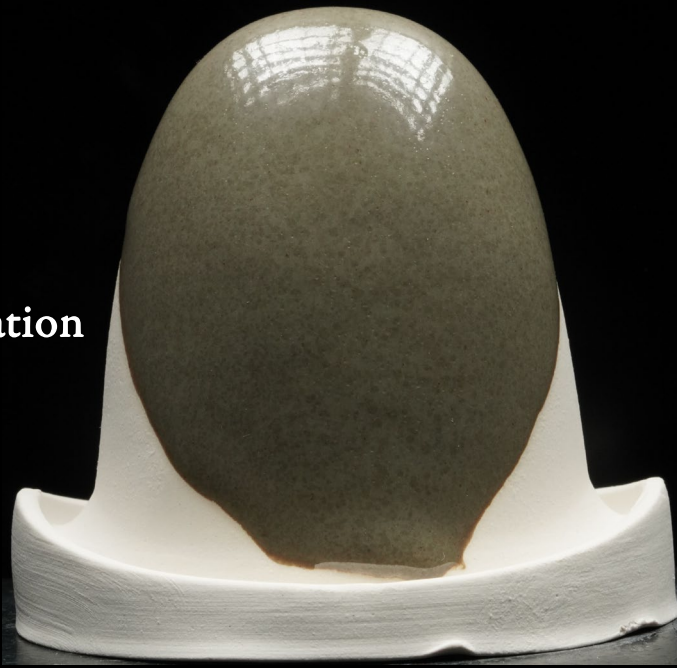
Ceramic
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Tangerine

Neph Sy	40.83
Whiting	16.55
Zinc Oxide	11.03
EPK	7.72
Flint	20.48
Chrome Oxide	0.97
Nickel Carb (Green)	2.42
Water	70



1-3 Second Dip



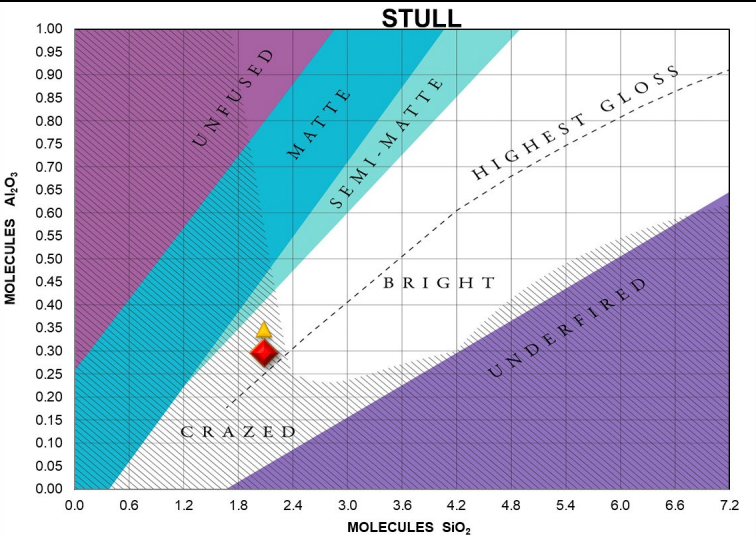
2-3 Second Dips



Reduction

Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 5.98 :1		Alkali Metals 0.22		Alkaline Earths 0.78	
SiO ₂ 2.09	Collective "Al ₂ O ₃ " 0.35	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.00	CaO 0.43
B ₂ O ₃	Al ₂ O ₃ 0.30	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO 0.05	Bi ₂ O ₃	SnO ₂	ZnO 0.34	FeO 0.00
Cr ₂ O ₃ 0.02	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



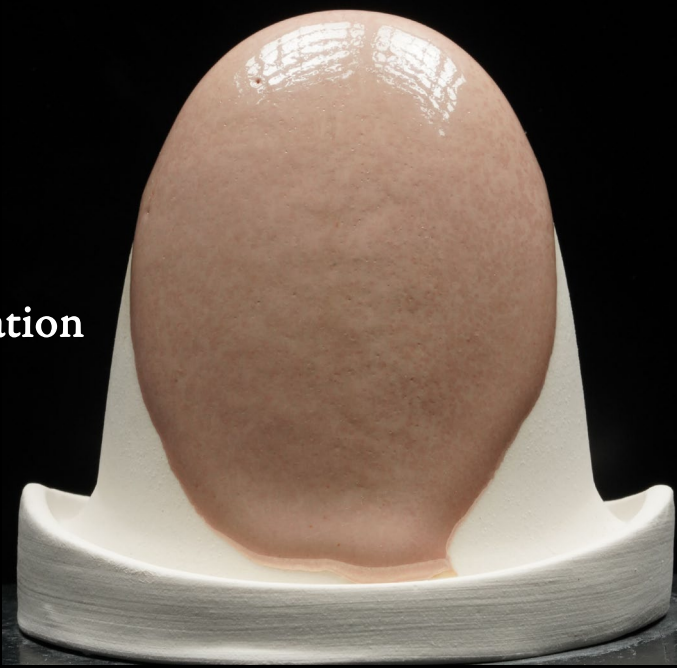
Ceramic
Materials
Workshop

Tangerine

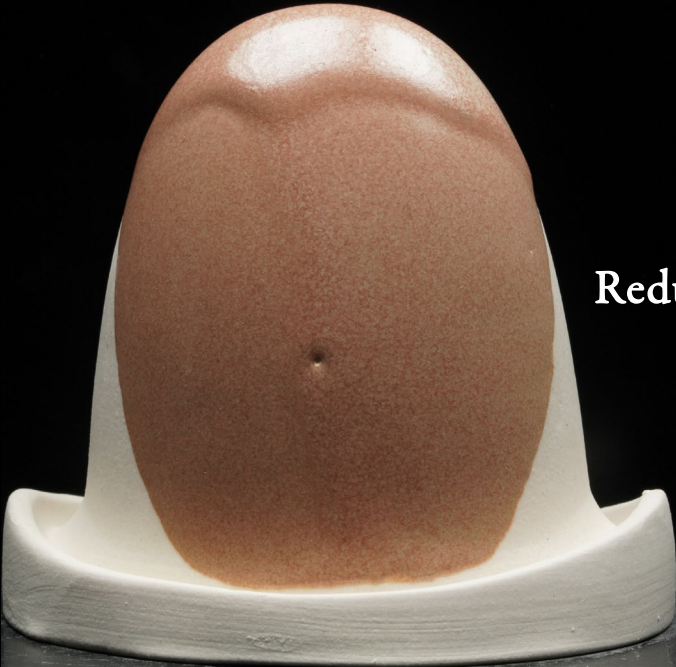
Neph Sy	39.49
Whiting	16.01
Zinc Oxide	10.67
EPK	7.47
Flint	19.81
Chrome Oxide	0.93
Titanium Dioxide	5.61
Water	60



1-3 Second Dip



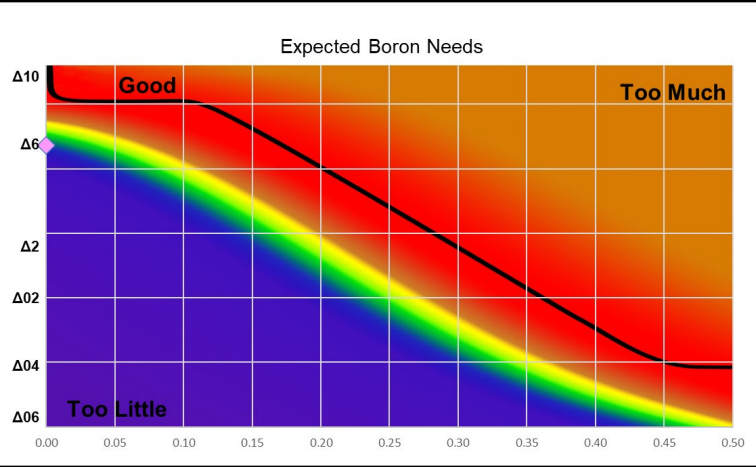
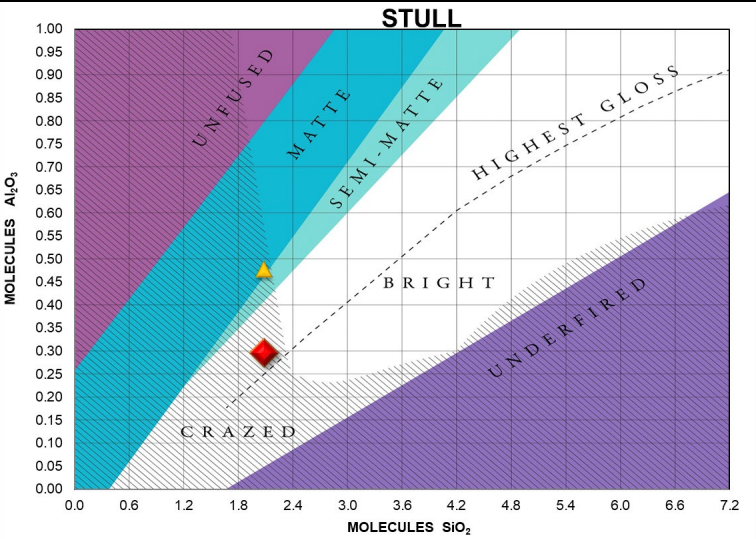
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 4.35 : 1		Alkali Metals 0.22		Alkaline Earths 0.78	
SiO ₂ 2.09	Collective "Al ₂ O ₃ " 0.48	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.00	CaO 0.43
B ₂ O ₃	Al ₂ O ₃ 0.30	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.18	NiO	Bi ₂ O ₃	SnO ₂	ZnO 0.34	FeO 0.00
Cr ₂ O ₃ 0.02	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Tangerine

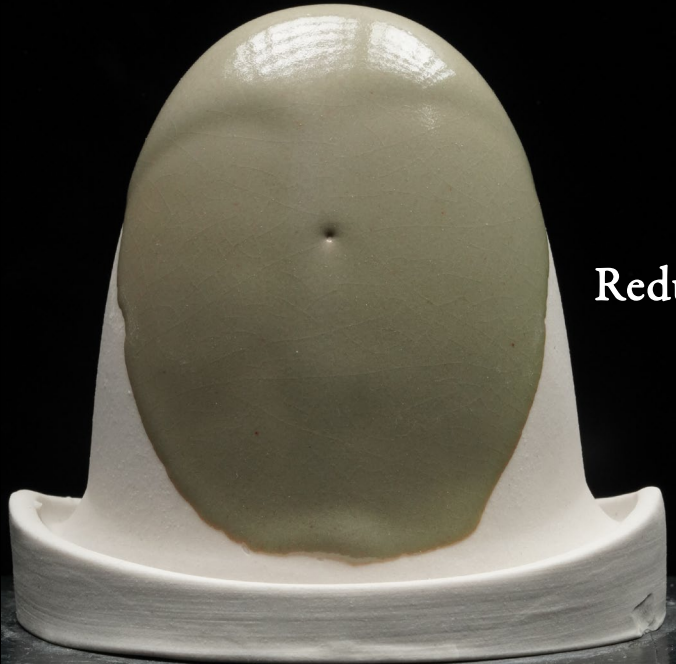
Neph Sy	39.86
Whiting	16.16
Zinc Oxide	10.77
EPK	7.54
Flint	20.00
Chrome Oxide	0.94
Tin Oxide	4.72
Water	60



1-3 Second Dip



2-3 Second Dips

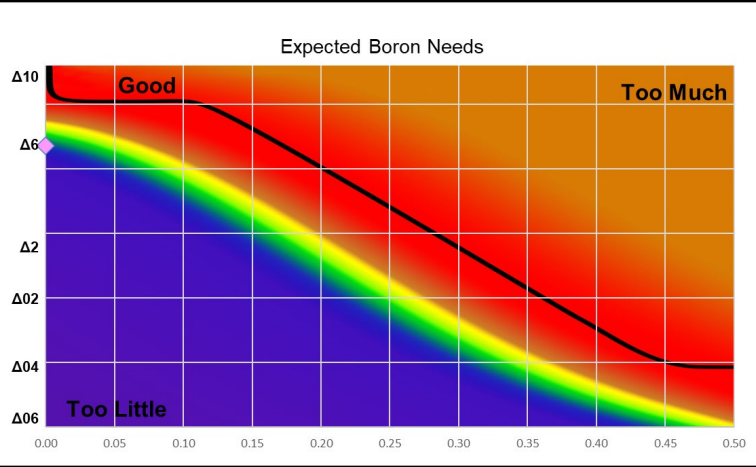
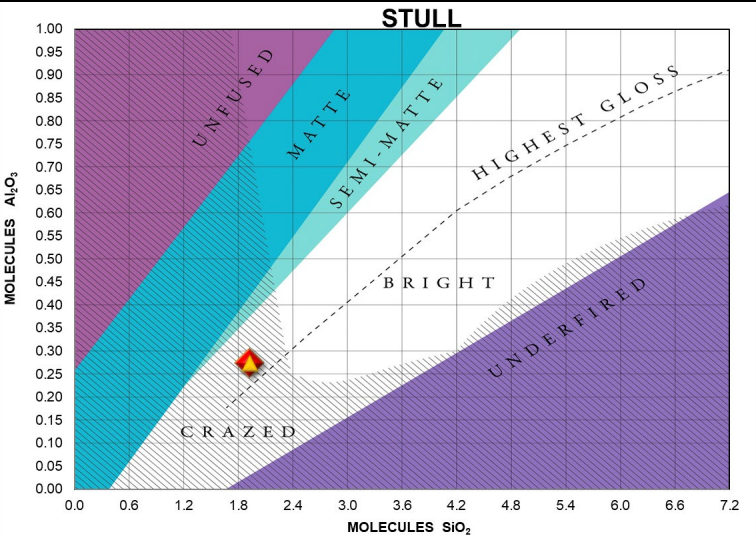


Reduction



Reduction

SiO ₂ :Al ₂ O ₃ Ratio 7.03 :1		Alkali Metals 0.28		Alkaline Earths 0.72	
SiO ₂ 1.93	Collective "Al ₂ O ₃ " 0.27	Na ₂ O 0.16	K ₂ O 0.05	MgO 0.00	CaO 0.40
B ₂ O ₃	Al ₂ O ₃ 0.27	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂ 0.08	ZnO 0.32	FeO 0.00
Cr ₂ O ₃ 0.01	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



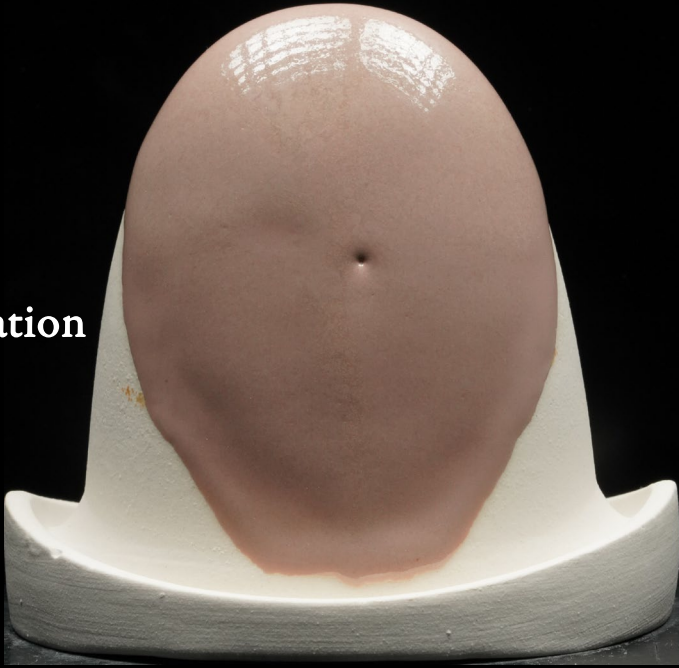
Ceramic
Materials
Workshop

Tangerine

Neph Sy	38.07
Whiting	15.43
Zinc Oxide	10.29
EPK	7.20
Flint	19.10
Chrome Oxide	0.90
Ultrox (Zircopax)	9.01
Water	60



1-3 Second Dip



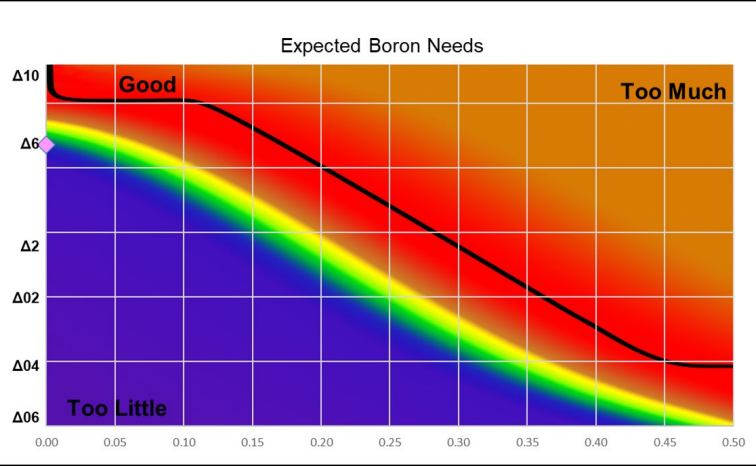
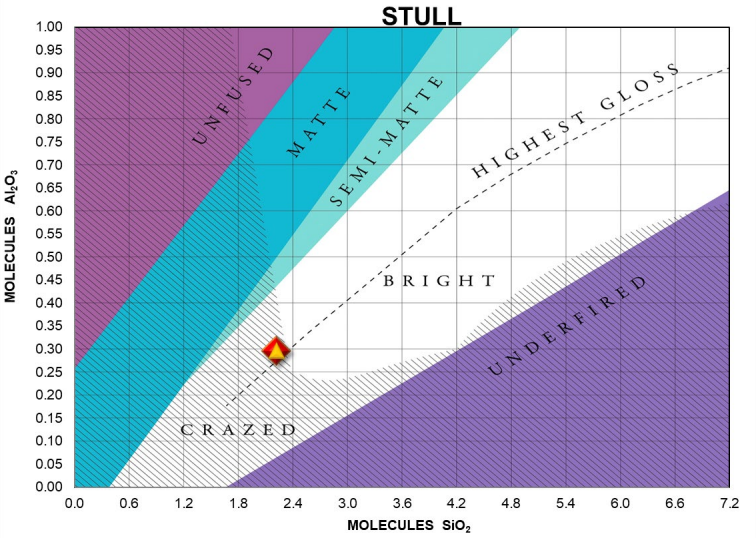
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 7.48 :1		Alkali Metals 0.22		Alkaline Earths 0.78	
SiO ₂ 2.22	Collective "Al ₂ O ₃ " 0.30	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.00	CaO 0.43
B ₂ O ₃	Al ₂ O ₃ 0.30	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO 0.34	FeO 0.00
Cr ₂ O ₃ 0.02	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



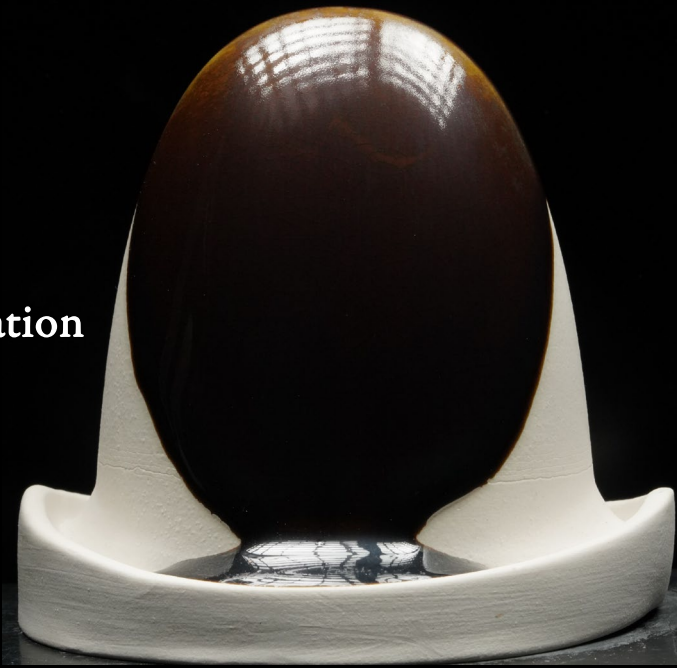
Ceramic
Materials
Workshop

Tangerine

Neph Sy	38.77
Whiting	15.72
Zinc Oxide	10.48
EPK	7.33
Flint	19.45
Copper Carbonate	2.75
Red Iron Oxide	5.50
Water	70



1-3 Second Dip



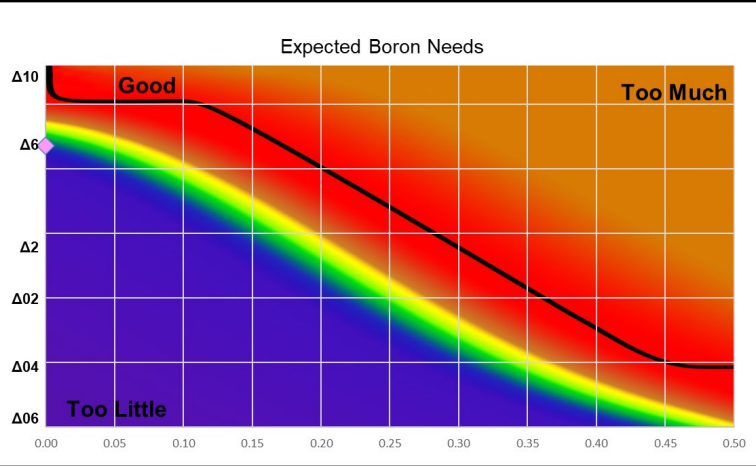
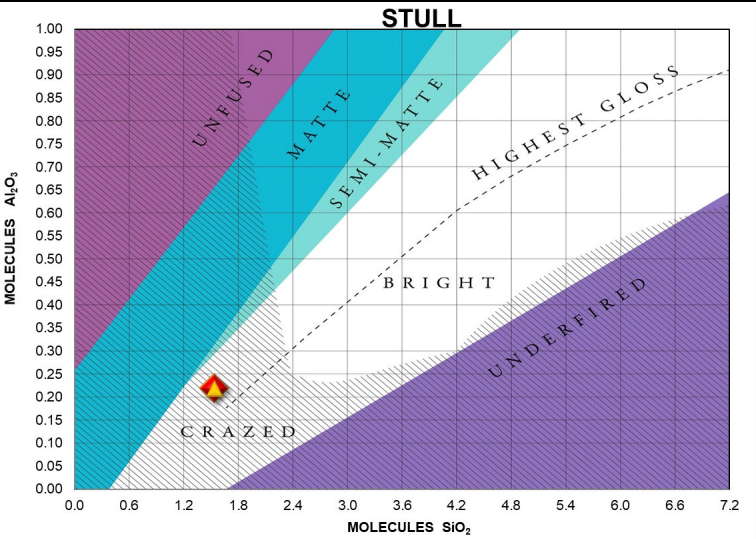
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 7.03 : 1		Alkali Metals 0.21		Alkaline Earths 0.79	
SiO ₂ 1.54	Collective "Al ₂ O ₃ " 0.22	Na ₂ O 0.13	K ₂ O 0.04	MgO 0.00	CaO 0.32
B ₂ O ₃	Al ₂ O ₃ 0.22	Li ₂ O	CuO 0.04	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO 0.25	FeO 0.22
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



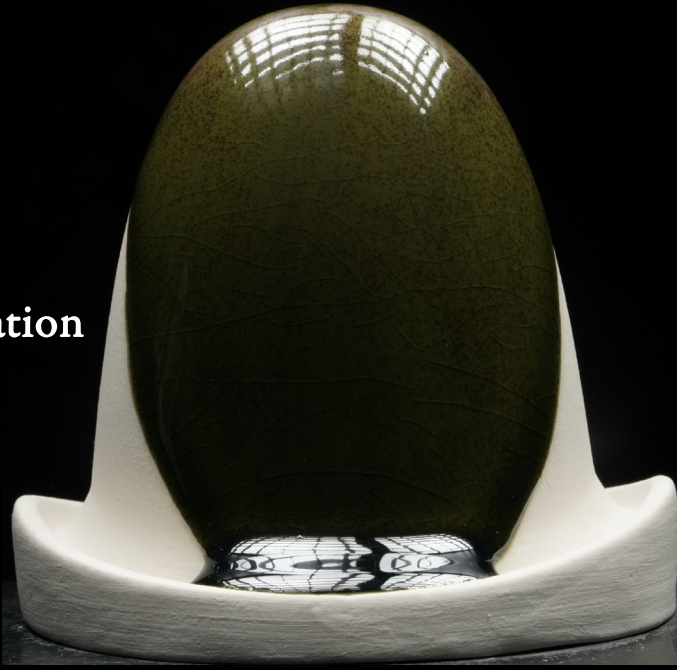
Ceramic
Materials
Workshop

Tangerine

Neph Sy	39.86
Whiting	16.16
Zinc Oxide	10.77
EPK	7.54
Flint	20.00
Copper Carbonate	2.83
Manganese Dioxide	2.83
Water	70



1-3 Second Dip



2-3 Second Dips

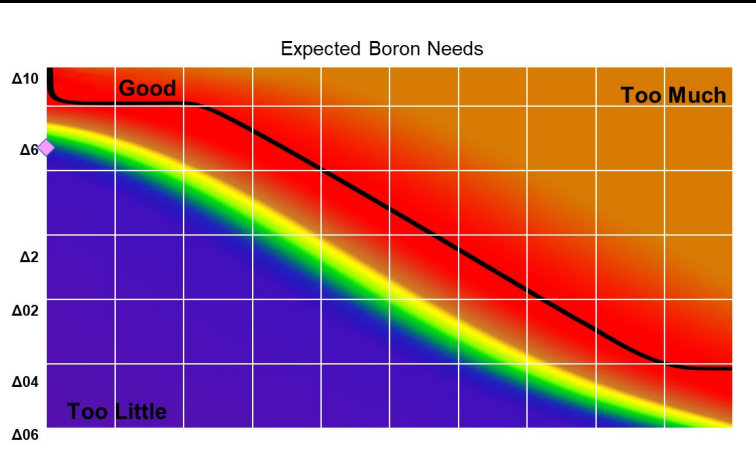
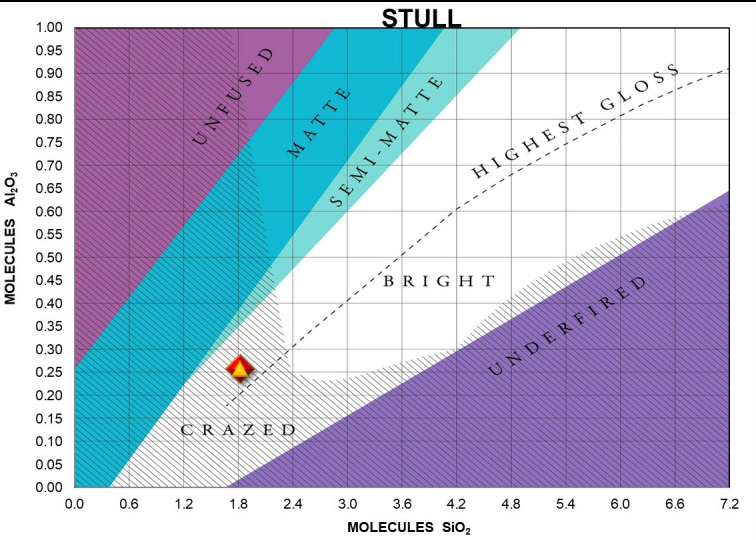


Reduction



Oxidation

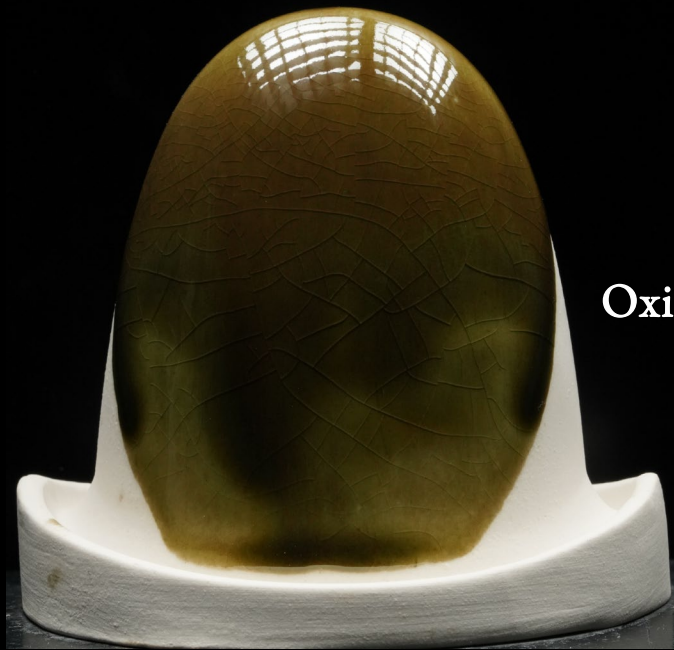
SiO ₂ :Al ₂ O ₃ Ratio 7.03 : 1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO ₂ 1.82	Collective "Al ₂ O ₃ " 0.26	Na ₂ O 0.15	K ₂ O 0.04	MgO 0.00	CaO 0.37
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO 0.30	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂ 0.07	CoO



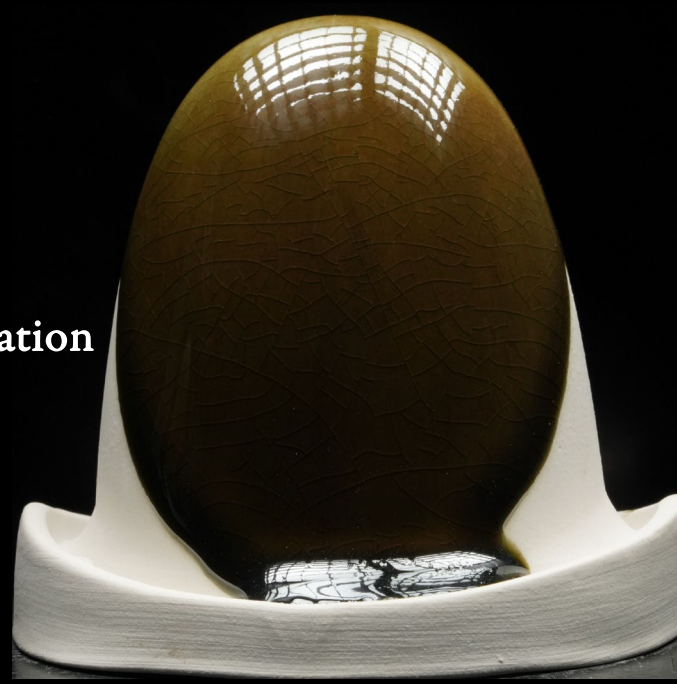
Ceramic
Materials
Workshop

Tangerine

Neph Sy	40.05
Whiting	16.24
Zinc Oxide	10.83
EPK	7.58
Flint	20.09
Copper Carbonate	2.84
Nickel Carb (Green)	2.37
Water	75



1-3 Second Dip

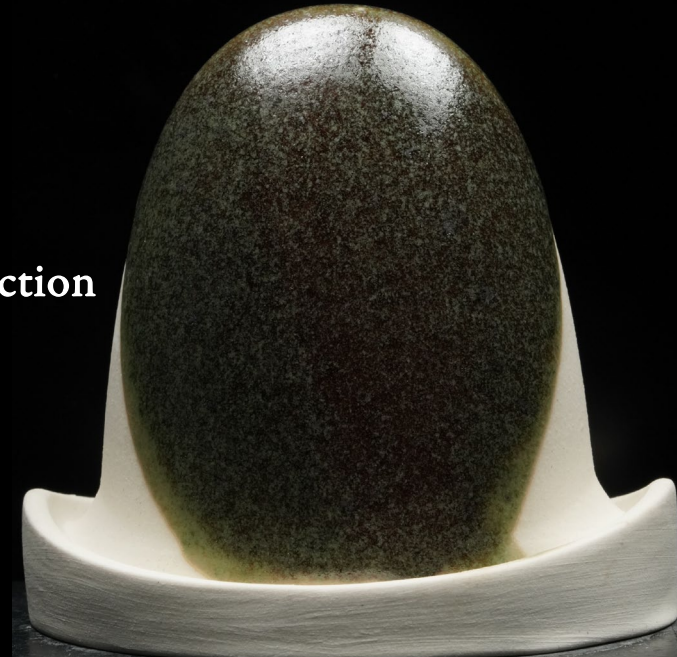


2-3 Second Dips

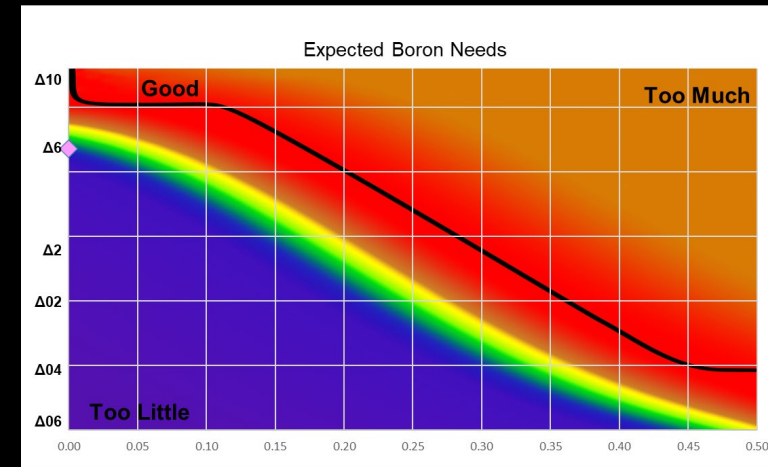
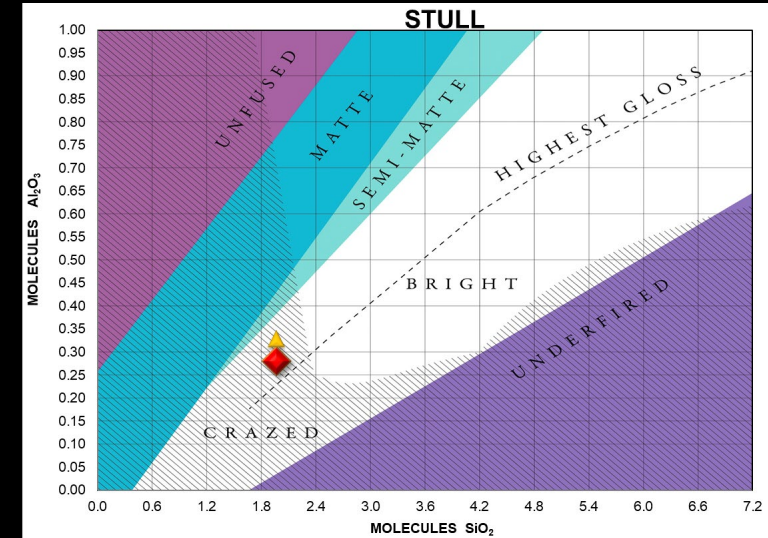
Oxidation



Reduction



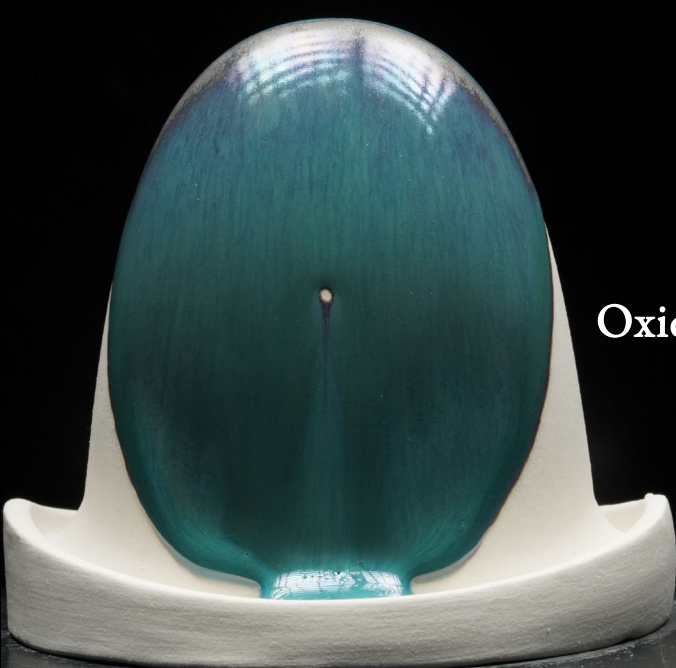
SiO ₂ :Al ₂ O ₃ Ratio 5.98 :1		Alkali Metals 0.27		Alkaline Earths 0.73	
SiO ₂ 1.97	Collective "Al ₂ O ₃ " 0.33	Na ₂ O 0.16	K ₂ O 0.05	MgO 0.00	CaO 0.40
B ₂ O ₃	Al ₂ O ₃ 0.28	Li ₂ O	CuO 0.06	SrO	BaO
TiO ₂ 0.00	NiO 0.05	Bi ₂ O ₃	SnO ₂	ZnO 0.33	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



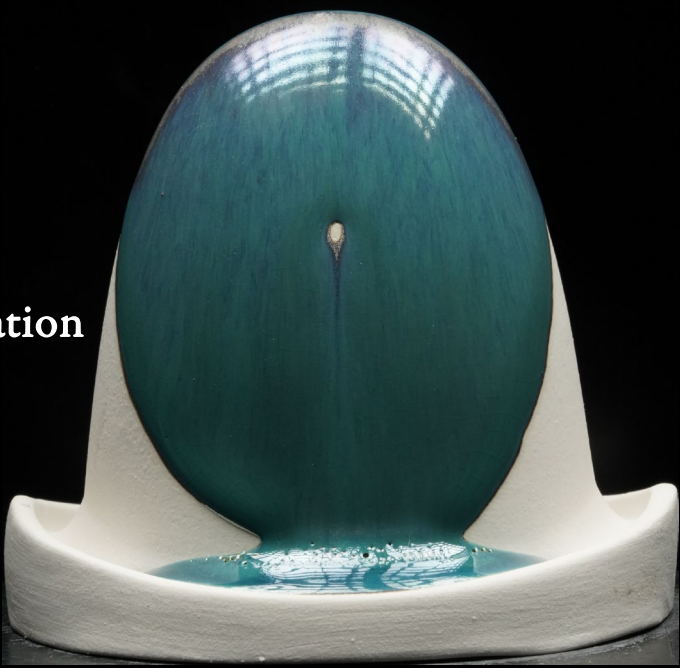
Ceramic
Materials
Workshop

Tangerine

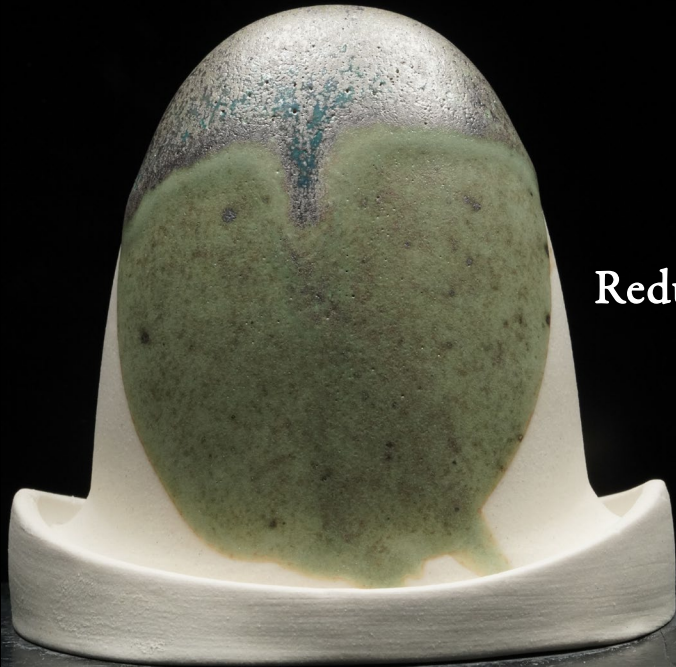
Neph Sy	38.77
Whiting	15.72
Zinc Oxide	10.48
EPK	7.33
Flint	19.45
Copper Carbonate	2.75
Titanium Dioxide	5.50
Water	70



1-3 Second Dip



2-3 Second Dips

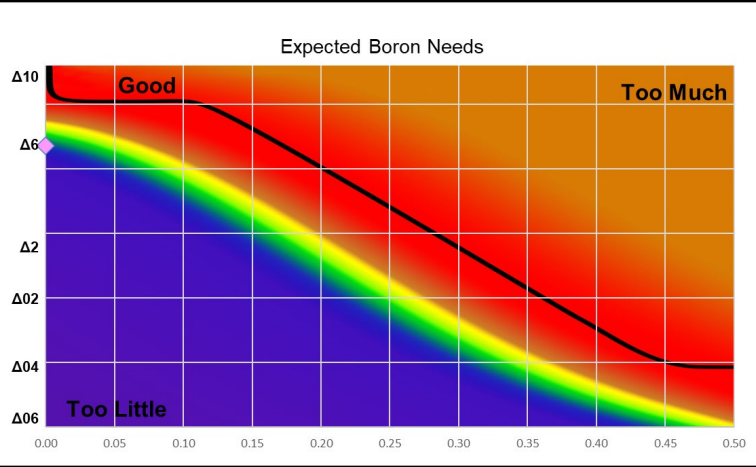
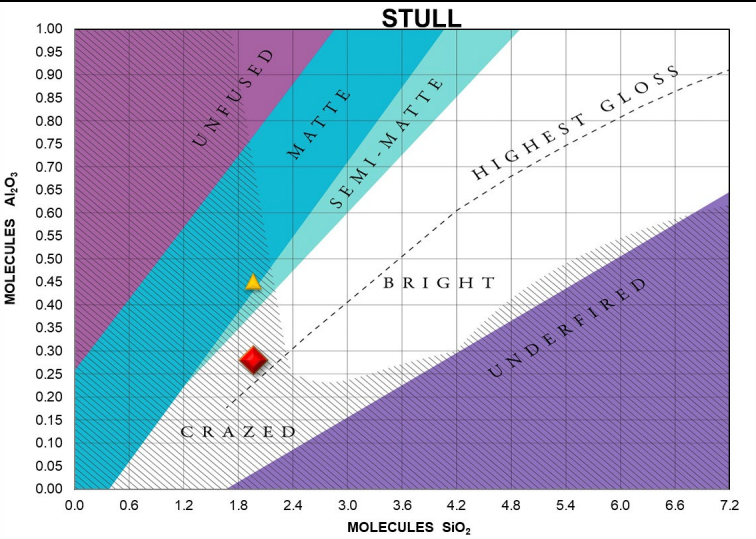


Reduction



Oxidation

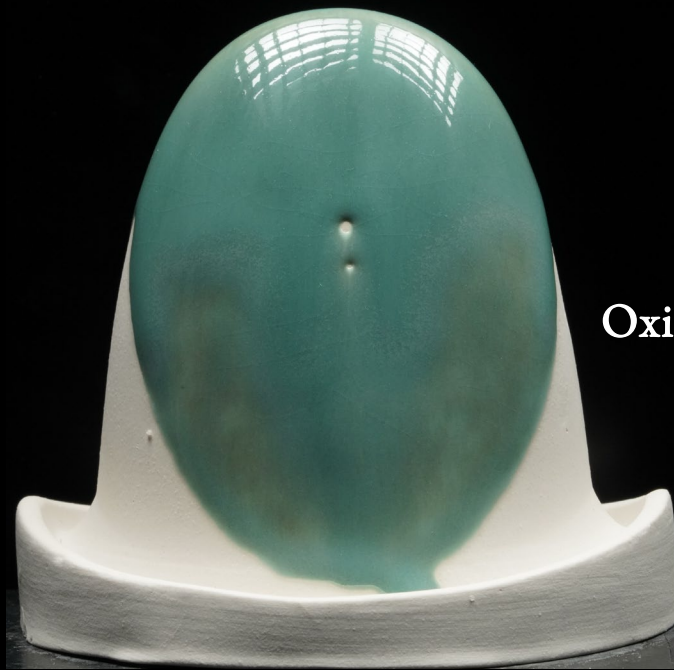
SiO ₂ :Al ₂ O ₃ Ratio 4.35 : 1		Alkali Metals 0.27		Alkaline Earths 0.73	
SiO ₂ 1.97	Collective "Al ₂ O ₃ " 0.45	Na ₂ O 0.16	K ₂ O 0.05	MgO 0.00	CaO 0.40
B ₂ O ₃	Al ₂ O ₃ 0.28	Li ₂ O	CuO 0.06	SrO	BaO
TiO ₂ 0.17	NiO	Bi ₂ O ₃	SnO ₂	ZnO 0.33	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



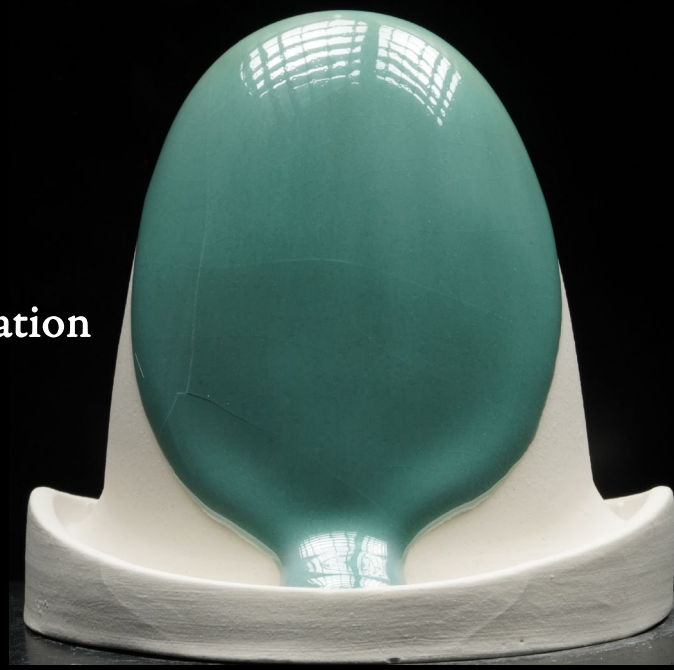
Ceramic
Materials
Workshop

Tangerine

Neph Sy	39.13
Whiting	15.86
Zinc Oxide	10.57
EPK	7.40
Flint	19.63
Copper Carbonate	2.78
Tin Oxide	4.63
Water	70



1-3 Second Dip



2-3 Second Dips

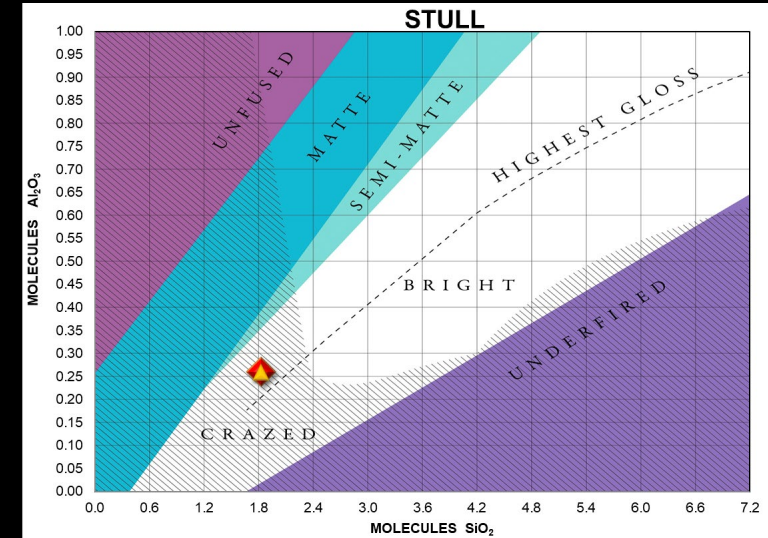
Oxidation



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 7.03 : 1		Alkali Metals 0.32		Alkaline Earths 0.68	
SiO ₂ 1.83	Collective "Al ₂ O ₃ " 0.26	Na ₂ O 0.15	K ₂ O 0.04	MgO 0.00	CaO 0.37
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂ 0.07	ZnO 0.30	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO

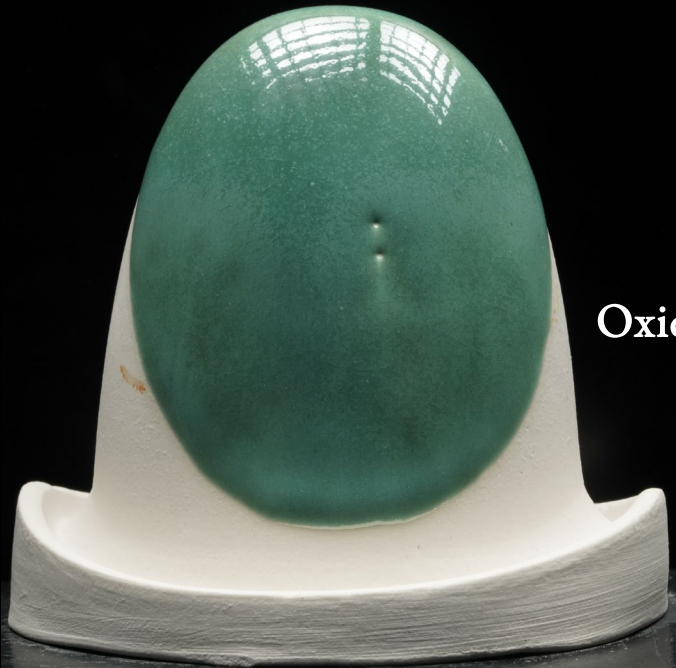


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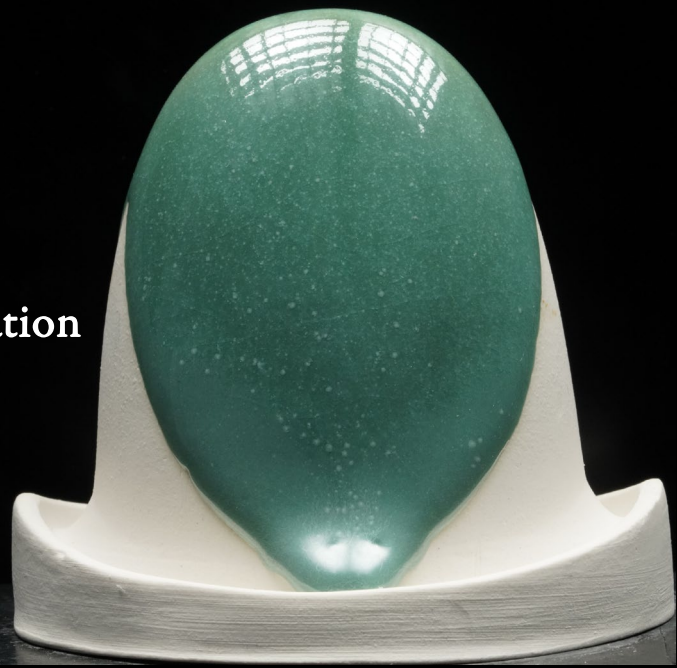
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Tangerine

Neph Sy	37.39
Whiting	15.16
Zinc Oxide	10.11
EPK	7.07
Flint	18.76
Copper Carbonate	2.65
Ultrox (Zircopax)	8.85
Water	60



1-3 Second Dip



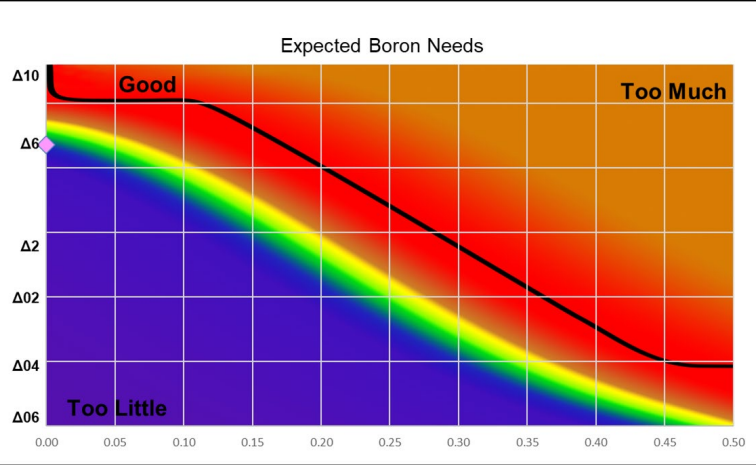
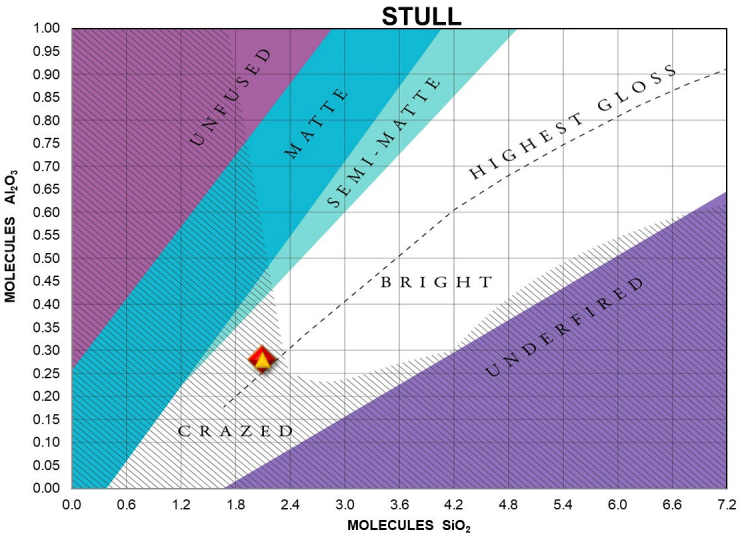
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 7.48 :1		Alkali Metals 0.27		Alkaline Earths 0.73	
SiO ₂ 2.10	Collective "Al ₂ O ₃ " 0.28	Na ₂ O 0.16	K ₂ O 0.05	MgO 0.00	CaO 0.40
B ₂ O ₃	Al ₂ O ₃ 0.28	Li ₂ O	CuO 0.06	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO 0.33	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



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Tangerine

Neph Sy	38.77
Whiting	15.72
Zinc Oxide	10.48
EPK	7.33
Flint	19.45
Red Iron Oxide	5.50
Manganese Dioxide	2.75
Water	60



1-3 Second Dip



2-3 Second Dips

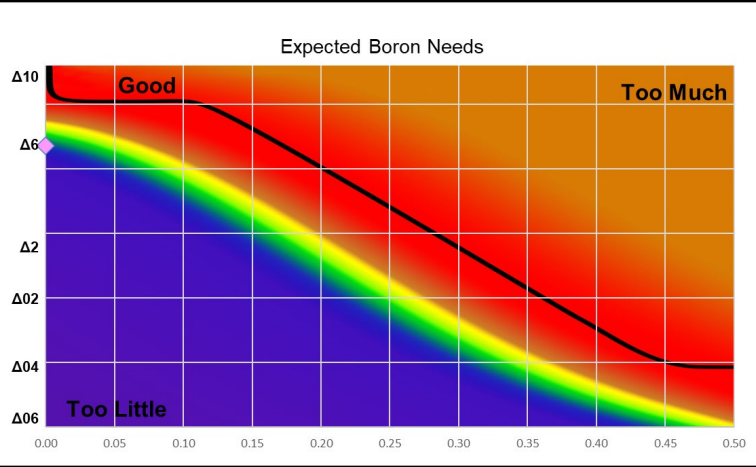
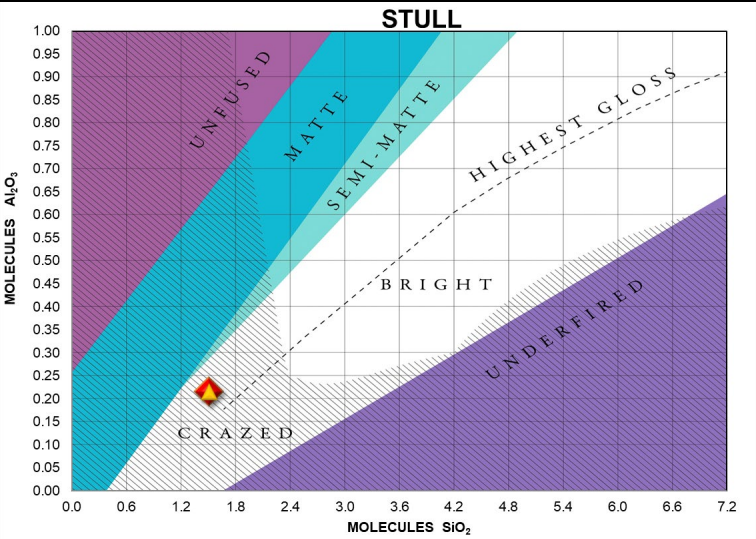


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 7.03 :1		Alkali Metals 0.16		Alkaline Earths 0.84	
SiO ₂ 1.51	Collective "Al ₂ O ₃ " 0.22	Na ₂ O 0.12	K ₂ O 0.04	MgO 0.00	CaO 0.31
B ₂ O ₃	Al ₂ O ₃ 0.21	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO 0.25	FeO 0.22
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂ 0.06	CoO



Ceramic
Materials
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Tangerine

Neph Sy	38.95
Whiting	15.79
Zinc Oxide	10.53
EPK	7.37
Flint	19.54
Red Iron Oxide	5.53
Nickel Carb (Green)	2.30
Water	70



Oxidation

1-3 Second Dip



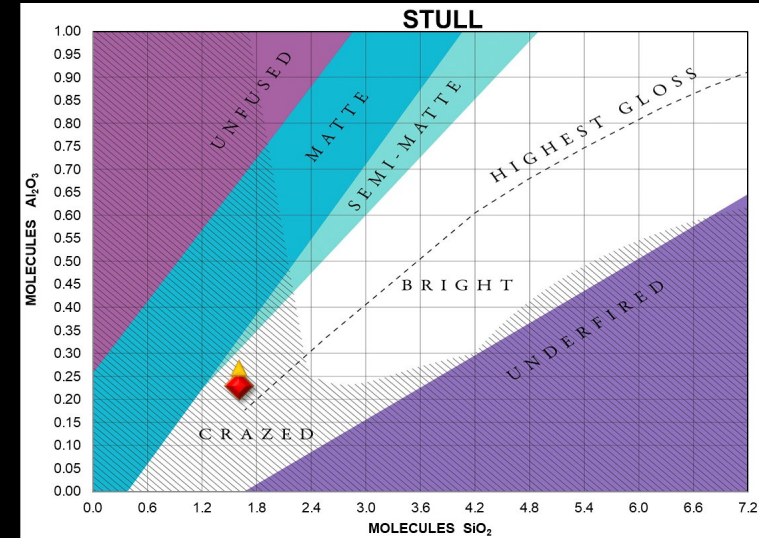
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 5.98 : 1		Alkali Metals 0.17		Alkaline Earths 0.83	
SiO ₂ 1.61	Collective "Al ₂ O ₃ " 0.27	Na ₂ O 0.13	K ₂ O 0.04	MgO 0.00	CaO 0.33
B ₂ O ₃	Al ₂ O ₃ 0.23	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO 0.04	Bi ₂ O ₃	SnO ₂	ZnO 0.27	FeO 0.23
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



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Tangerine

Neph Sy	37.73
Whiting	15.30
Zinc Oxide	10.20
EPK	7.14
Flint	18.93
Red Iron Oxide	5.36
Titanium Dioxide	5.36
Water	80



1-3 Second Dip



2-3 Second Dips

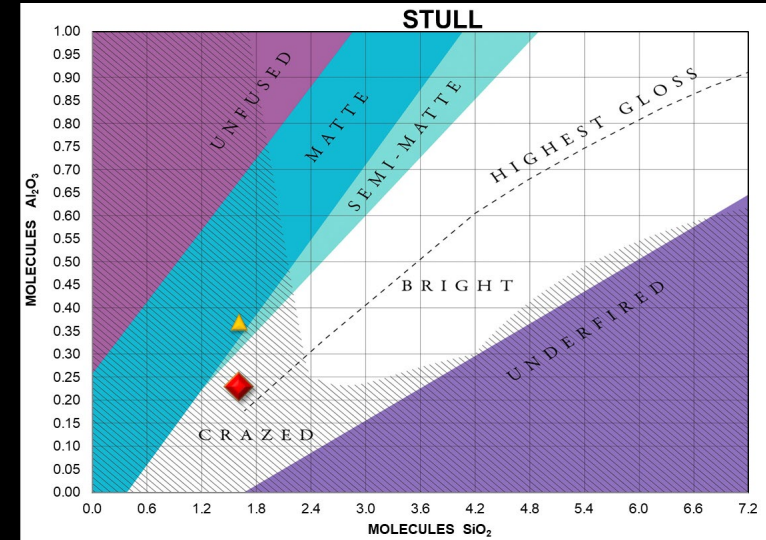


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 4.35 : 1		Alkali Metals 0.17		Alkaline Earths 0.83	
SiO ₂ 1.61	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.13	K ₂ O 0.04	MgO 0.00	CaO 0.33
B ₂ O ₃	Al ₂ O ₃ 0.23	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.14	NiO	Bi ₂ O ₃	SnO ₂	ZnO 0.27	FeO 0.23
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
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Tangerine

Neph Sy	38.07
Whiting	15.43
Zinc Oxide	10.29
EPK	7.20
Flint	19.10
Red Iron Oxide	5.41
Tin Oxide	4.50
Water	60



1-3 Second Dip



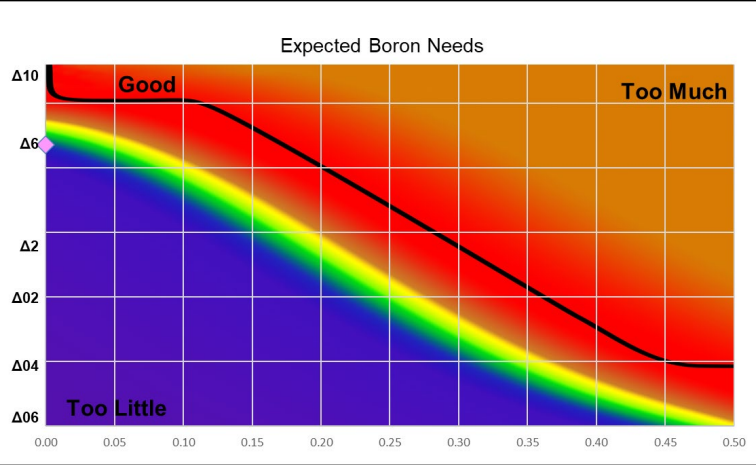
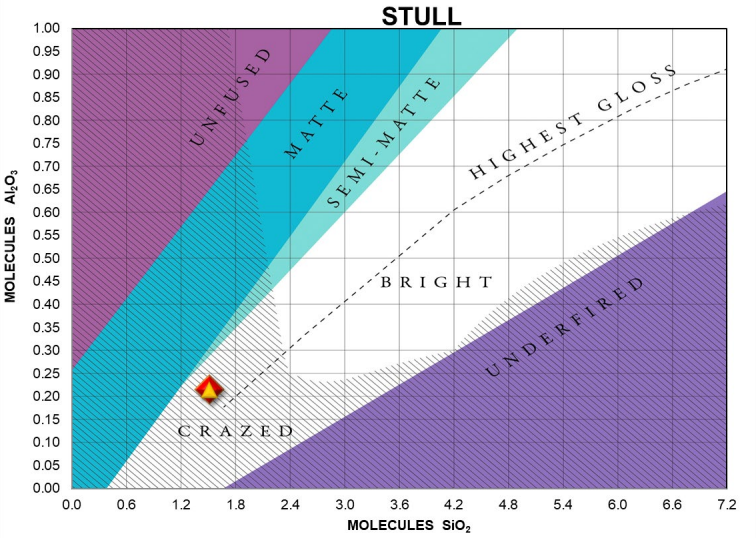
2-3 Second Dips



Reduction



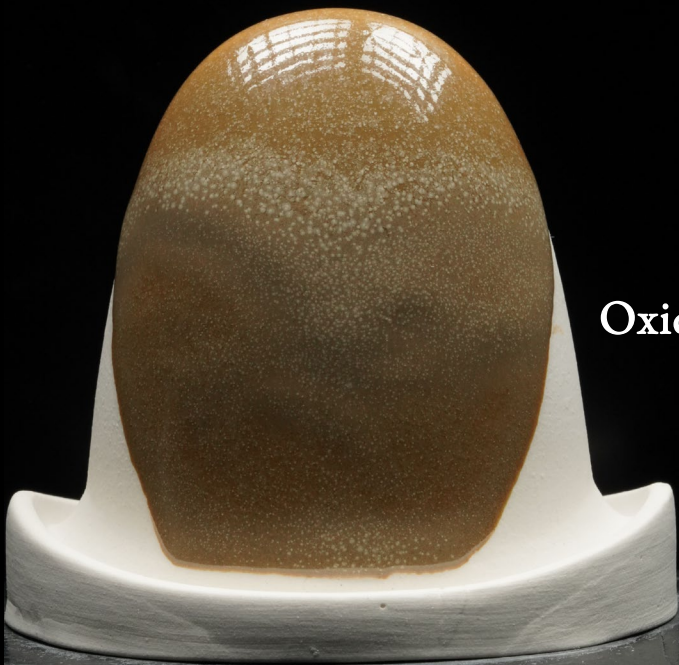
SiO ₂ :Al ₂ O ₃ Ratio 7.03 :1		Alkali Metals 0.22		Alkaline Earths 0.78	
SiO ₂ 1.52	Collective "Al ₂ O ₃ " 0.22	Na ₂ O 0.13	K ₂ O 0.04	MgO 0.00	CaO 0.31
B ₂ O ₃	Al ₂ O ₃ 0.21	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂ 0.06	ZnO 0.25	FeO 0.22
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



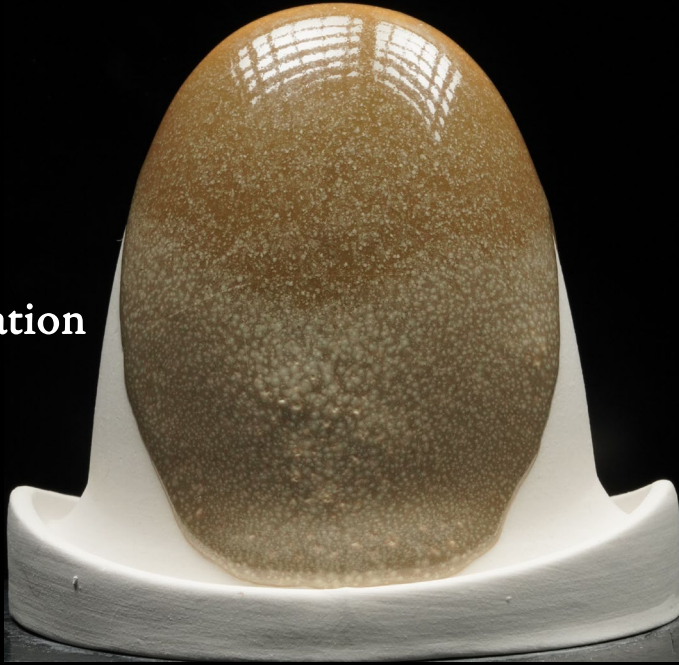
Ceramic
Materials
Workshop

Tangerine

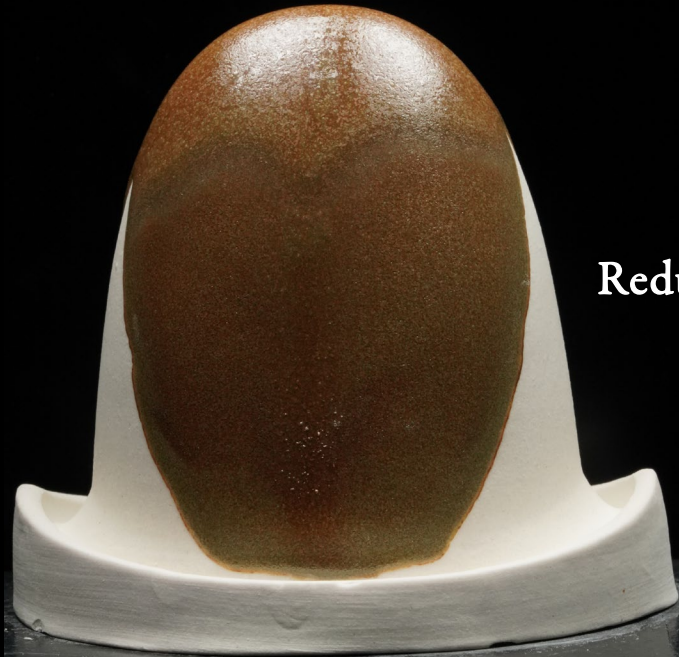
Neph Sy	36.43
Whiting	14.77
Zinc Oxide	9.85
EPK	6.89
Flint	18.27
Red Iron Oxide	5.17
Ultrox (Zircopax)	8.62
Water	60



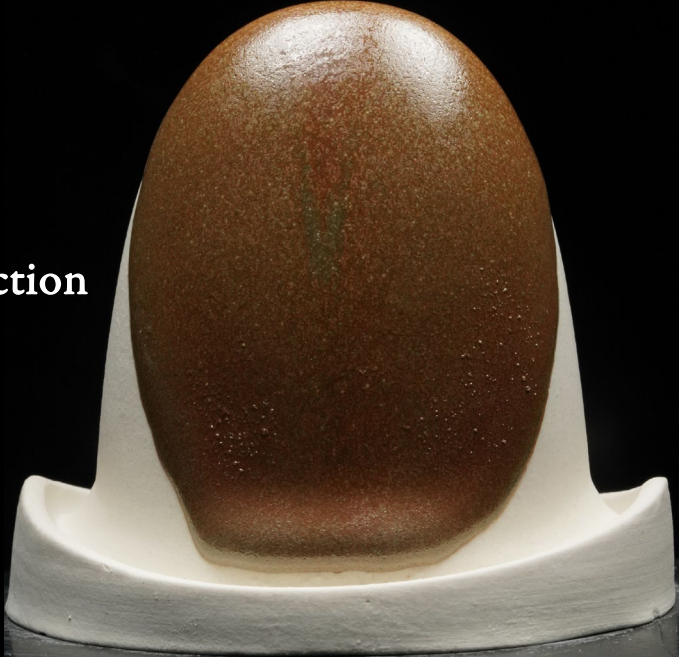
1-3 Second Dip



2-3 Second Dips

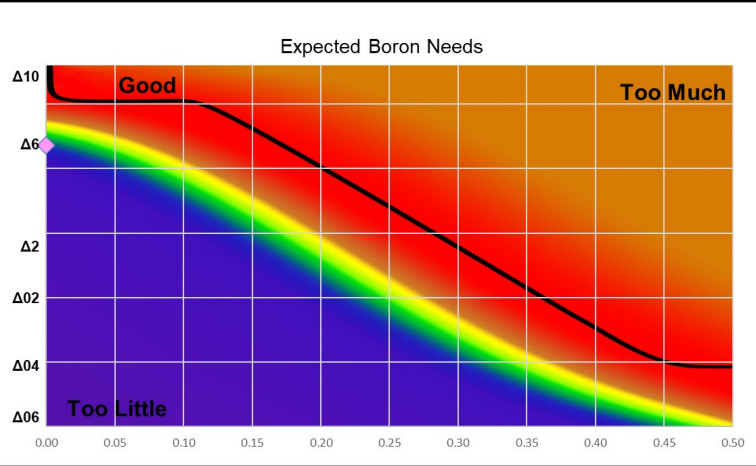
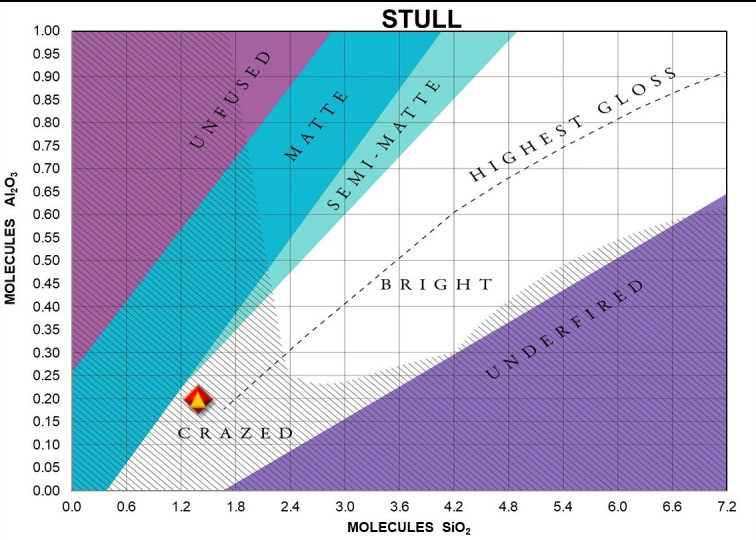


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 7.03 :1		Alkali Metals 0.15		Alkaline Earths 0.85	
SiO ₂ 1.39	Collective "Al ₂ O ₃ " 0.20	Na ₂ O 0.11	K ₂ O 0.03	MgO 0.00	CaO 0.28
B ₂ O ₃	Al ₂ O ₃ 0.20	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO 0.23	FeO 0.20
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.14



Ceramic
Materials
Workshop

Tangerine

Neph Sy	40.05
Whiting	16.24
Zinc Oxide	10.83
EPK	7.58
Flint	20.09
Manganese Dioxide	2.84
Nickel Carb (Green)	2.37
Water	70



1-3 Second Dip



2-3 Second Dips

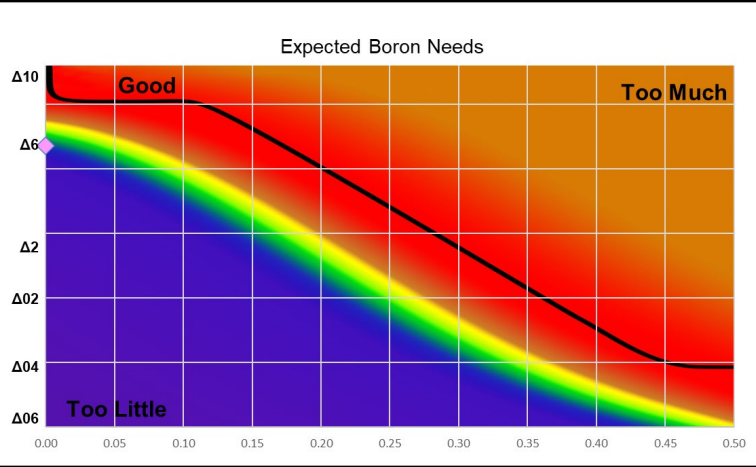
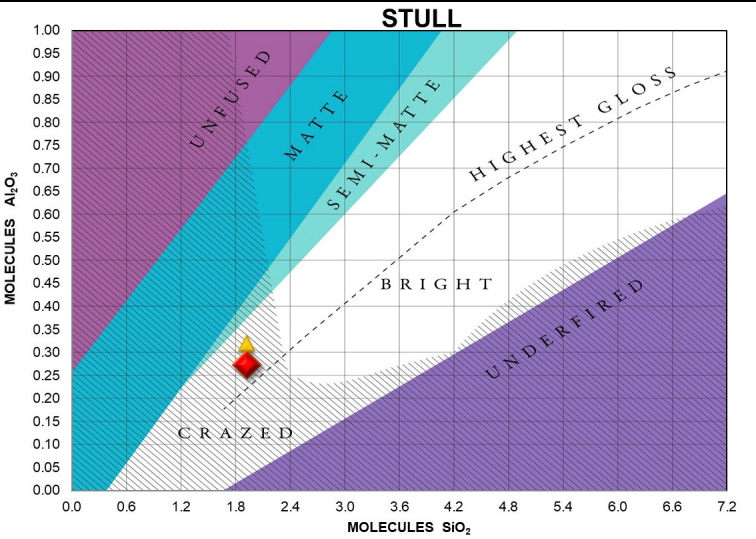


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 5.98 : 1		Alkali Metals 0.20		Alkaline Earths 0.80	
SiO ₂ 1.92	Collective "Al ₂ O ₃ " 0.32	Na ₂ O 0.16	K ₂ O 0.05	MgO 0.00	CaO 0.39
B ₂ O ₃	Al ₂ O ₃ 0.27	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO 0.05	Bi ₂ O ₃	SnO ₂	ZnO 0.32	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂ 0.08	CoO



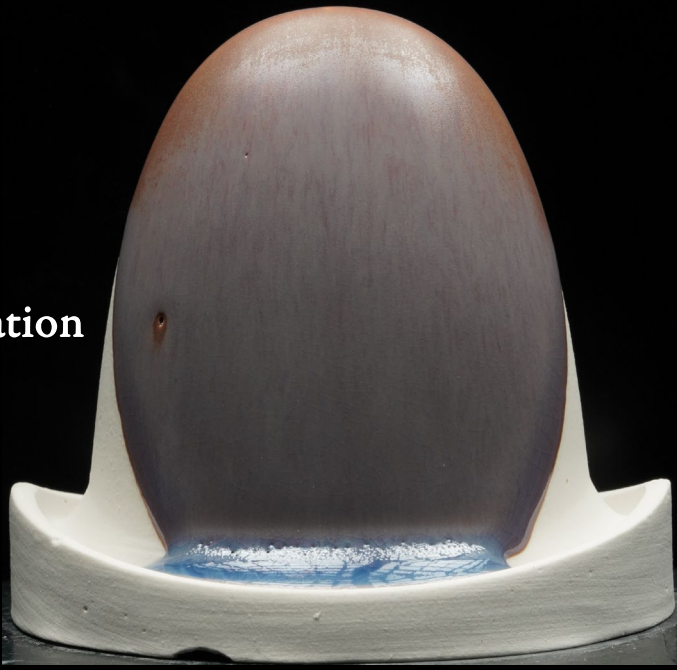
Ceramic
Materials
Workshop

Tangerine

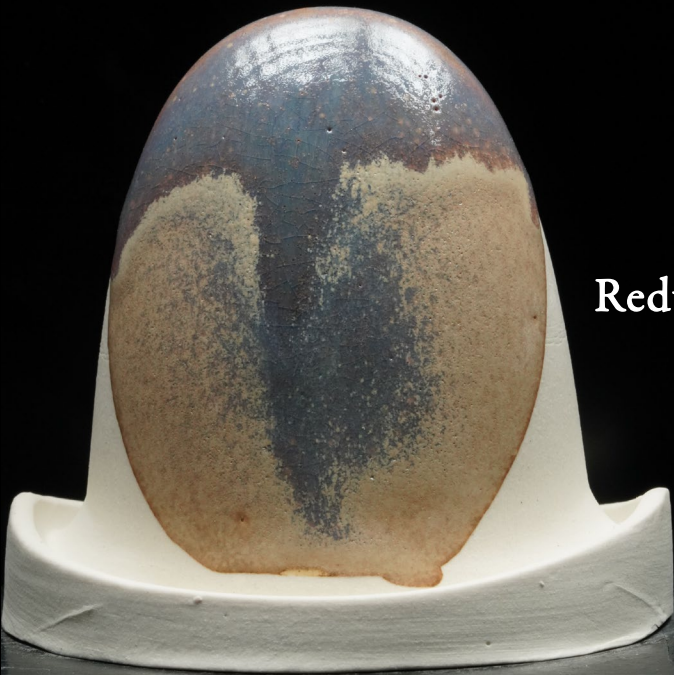
Neph Sy	38.77
Whiting	15.72
Zinc Oxide	10.48
EPK	7.33
Flint	19.45
Manganese Dioxide	2.75
Titanium Dioxide	5.50
Water	70



1-3 Second Dip



2-3 Second Dips

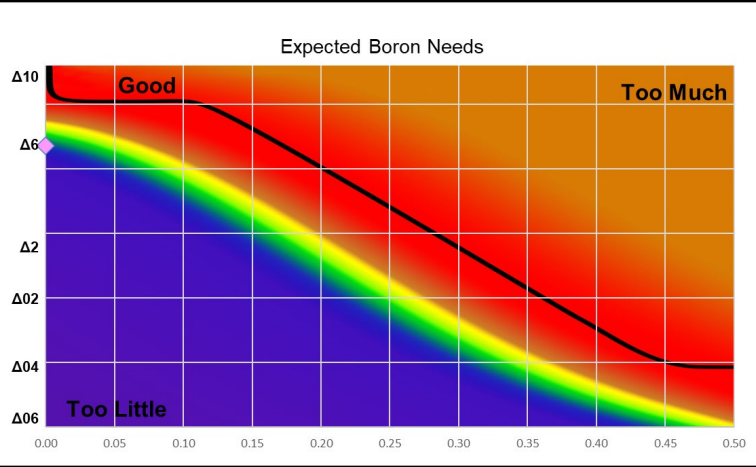
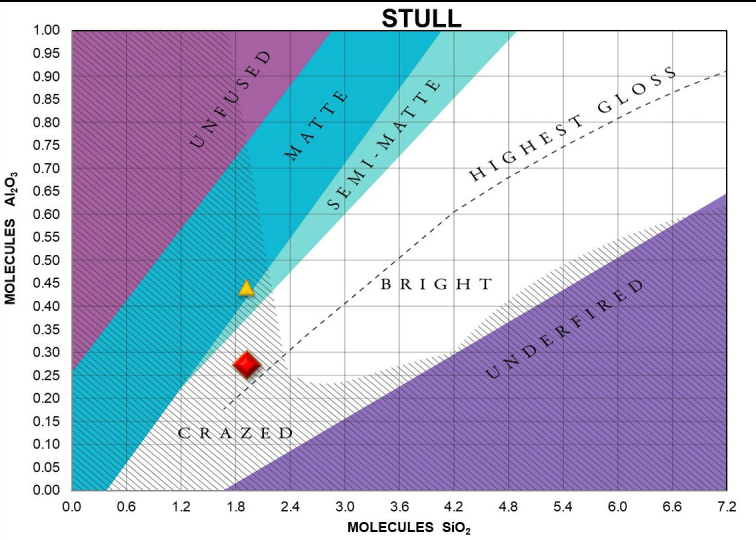


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 4.35 : 1		Alkali Metals 0.20		Alkaline Earths 0.80	
SiO ₂ 1.92	Collective "Al ₂ O ₃ " 0.44	Na ₂ O 0.16	K ₂ O 0.05	MgO 0.00	CaO 0.39
B ₂ O ₃	Al ₂ O ₃ 0.27	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.17	NiO	Bi ₂ O ₃	SnO ₂	ZnO 0.32	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂ 0.08	CoO



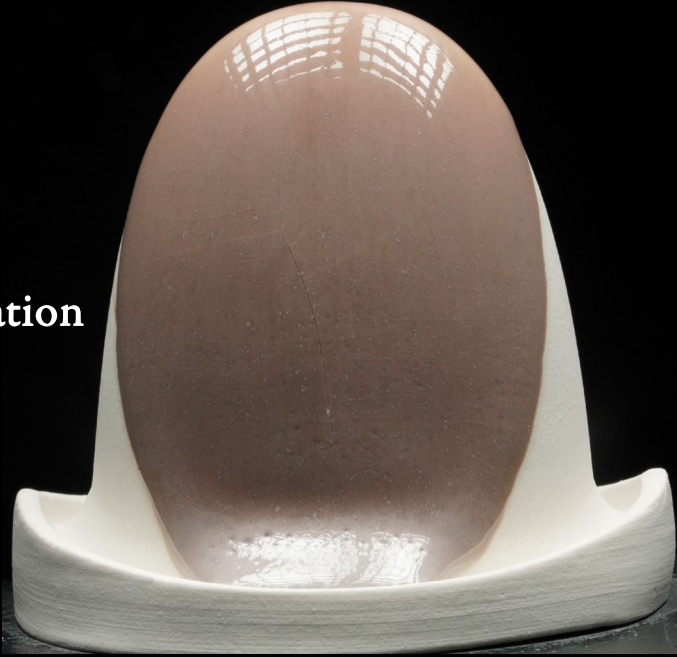
Ceramic
Materials
Workshop

Tangerine

Neph Sy	39.13
Whiting	15.86
Zinc Oxide	10.57
EPK	7.40
Flint	19.63
Manganese Dioxide	2.78
Tin Oxide	4.63
Water	60



1-3 Second Dip



2-3 Second Dips

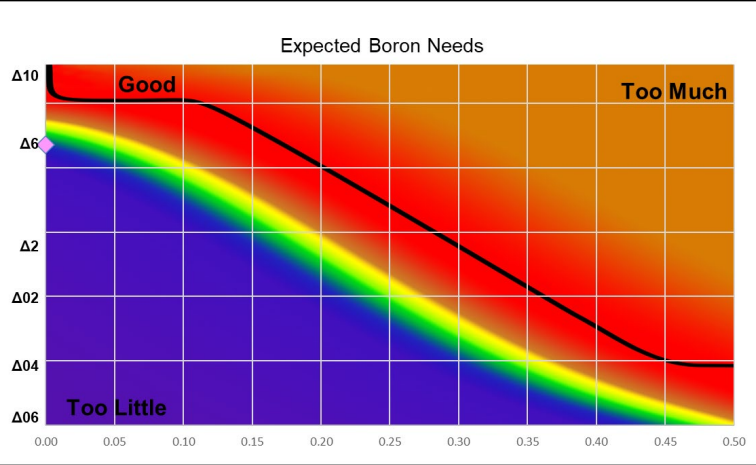
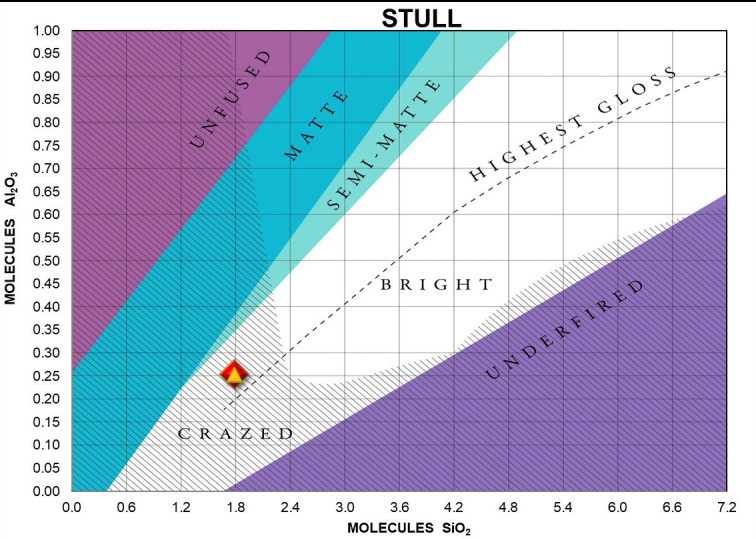


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 7.03 :1		Alkali Metals 0.26		Alkaline Earths 0.74	
SiO ₂ 1.79	Collective "Al ₂ O ₃ " 0.25	Na ₂ O 0.15	K ₂ O 0.04	MgO 0.00	CaO 0.37
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 0.07	ZnO 0.30	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂ 0.07	CoO



Ceramic
Materials
Workshop

Tangerine

Neph Sy	37.39
Whiting	15.16
Zinc Oxide	10.11
EPK	7.07
Flint	18.76
Manganese Dioxide	2.65
Ultrox (Zircopax)	8.85
Water	60



1-3 Second Dip



2-3 Second Dips

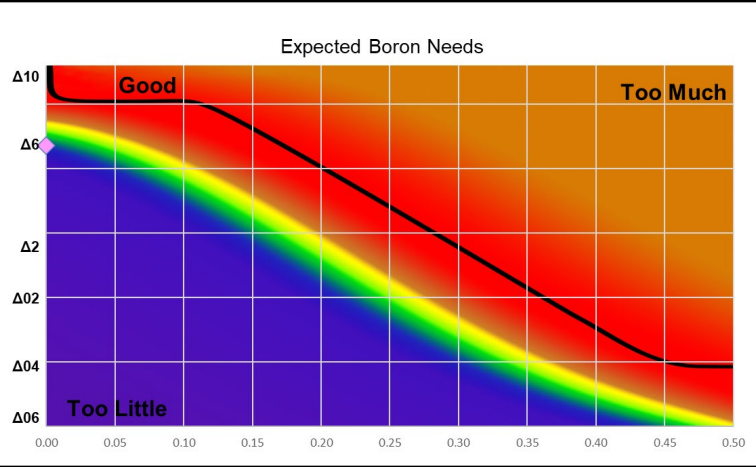
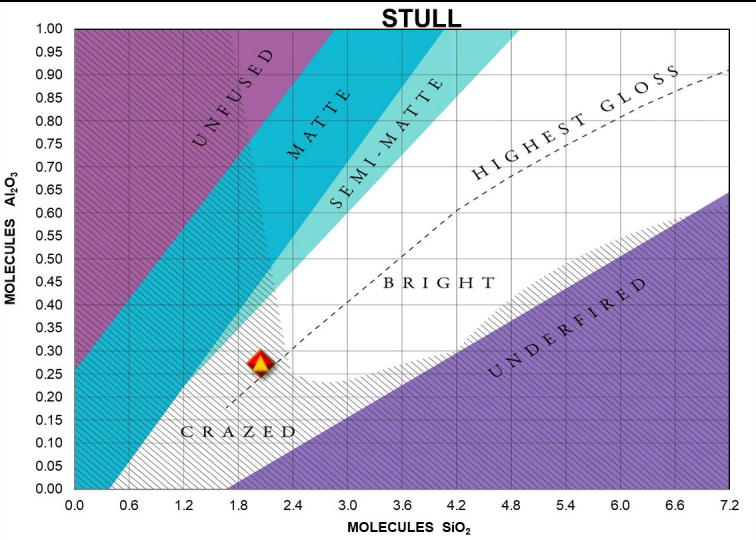


Reduction



Oxidation

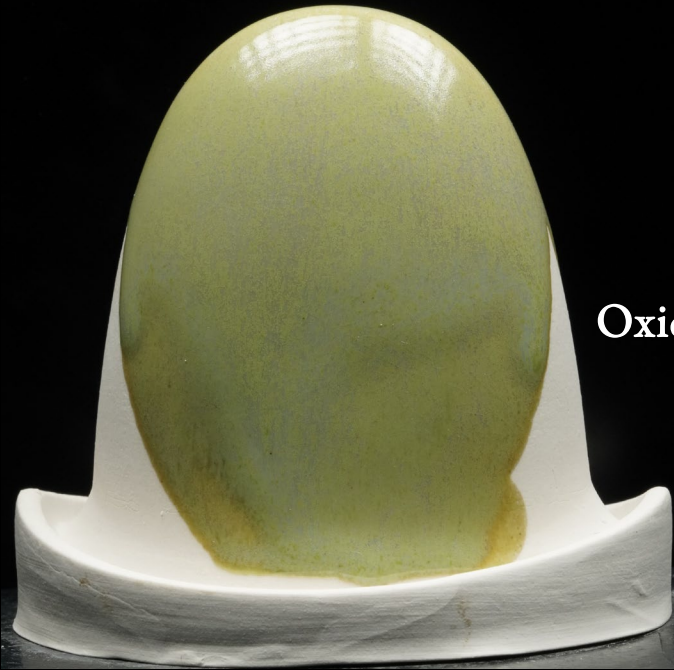
SiO ₂ :Al ₂ O ₃ Ratio 7.48 :1		Alkali Metals 0.20		Alkaline Earths 0.80	
SiO ₂ 2.05	Collective "Al ₂ O ₃ " 0.27	Na ₂ O 0.16	K ₂ O 0.05	MgO 0.00	CaO 0.39
B ₂ O ₃	Al ₂ O ₃ 0.27	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO 0.32	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂ 0.08	CoO



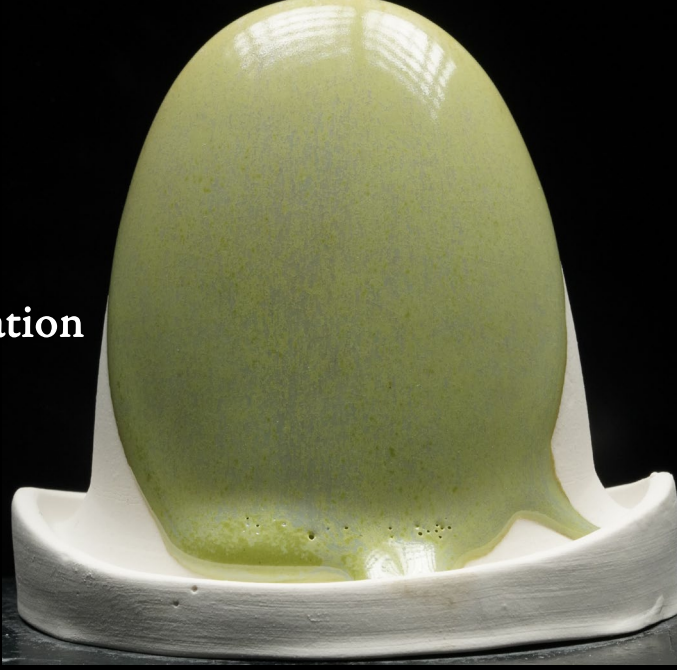
Ceramic
Materials
Workshop

Tangerine

Neph Sy	38.95
Whiting	15.79
Zinc Oxide	10.53
EPK	7.37
Flint	19.54
Nickel Carb (Green)	2.30
Titanium Dioxide	5.53
Water	80



1-3 Second Dip



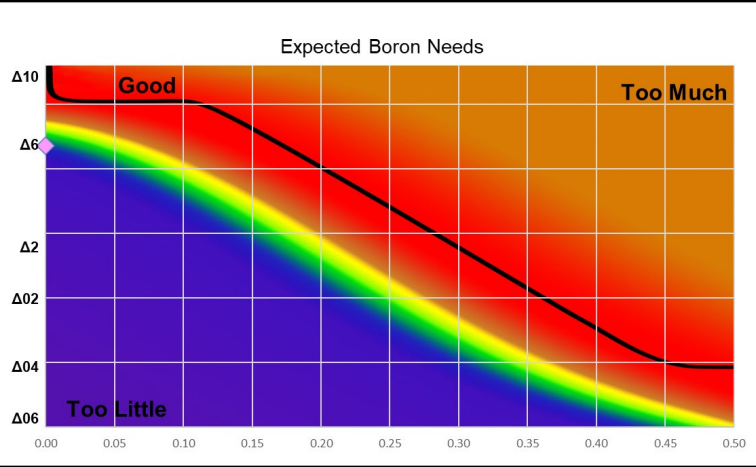
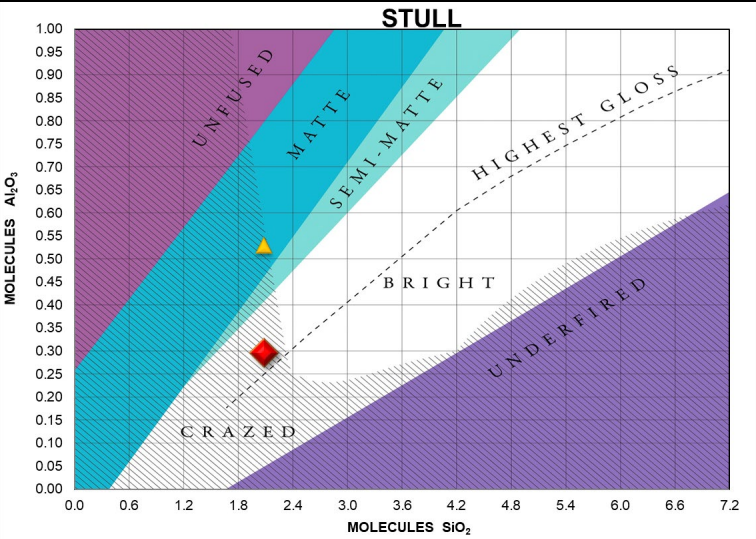
2-3 Second Dips



Reduction



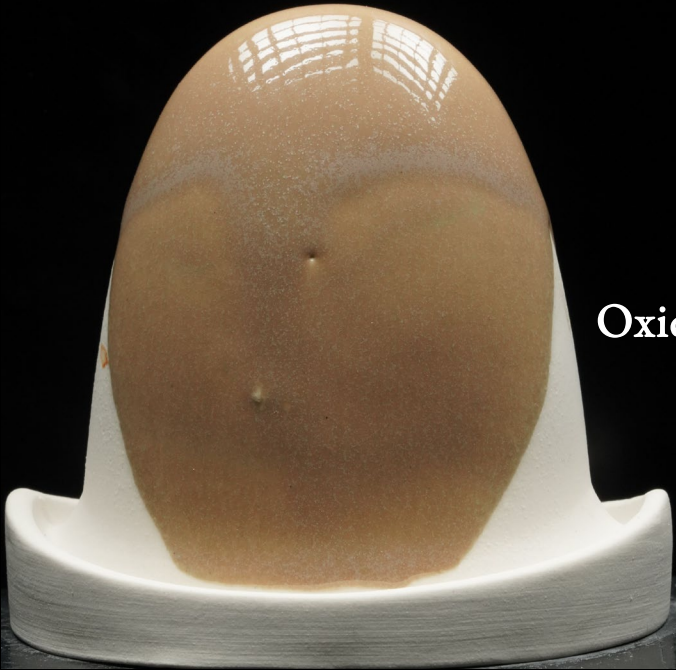
SiO ₂ :Al ₂ O ₃ Ratio 3.93 : 1		Alkali Metals 0.22		Alkaline Earths 0.78	
SiO ₂ 2.09	Collective "Al ₂ O ₃ " 0.53	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.00	CaO 0.43
B ₂ O ₃	Al ₂ O ₃ 0.30	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.18	NiO 0.05	Bi ₂ O ₃	SnO ₂	ZnO 0.34	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Tangerine

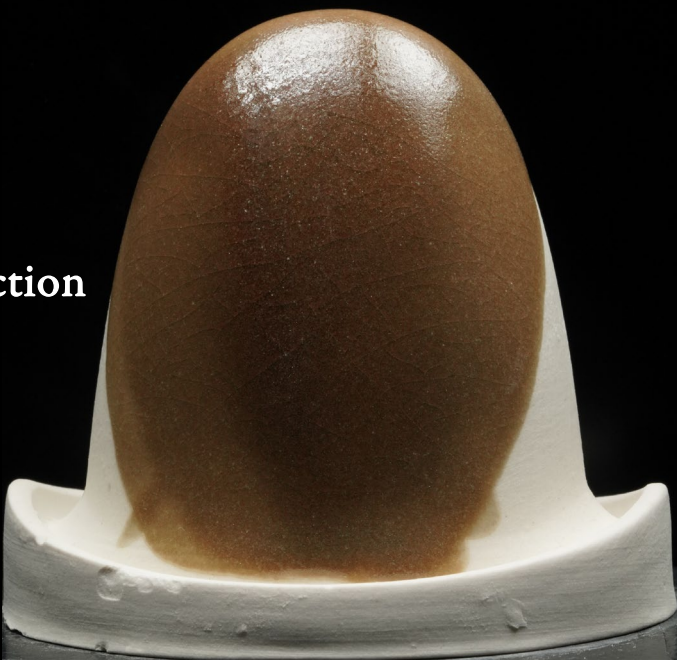
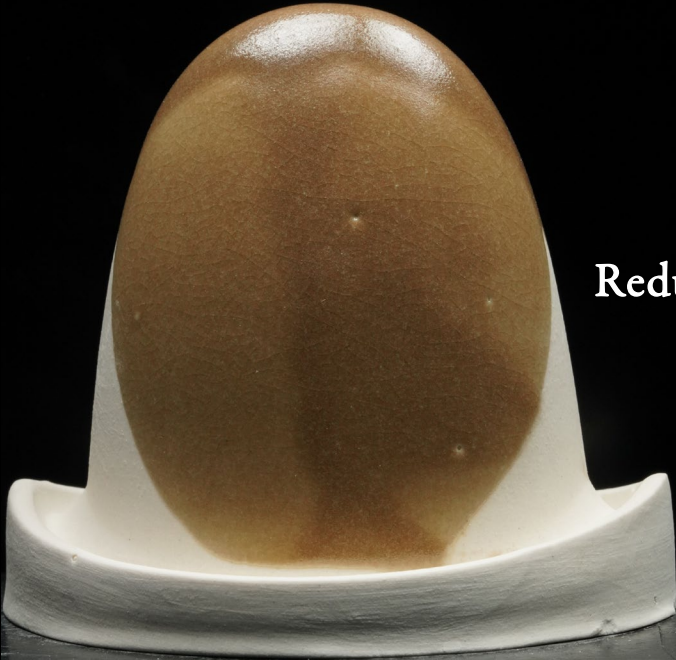
Neph Sy	39.31
Whiting	15.94
Zinc Oxide	10.62
EPK	7.44
Flint	19.72
Nickel Carb (Green)	2.33
Tin Oxide	4.65
Water	80



1-3 Second Dip



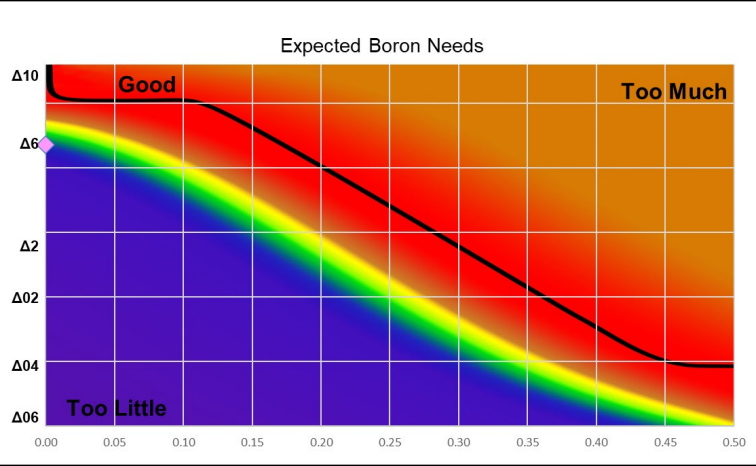
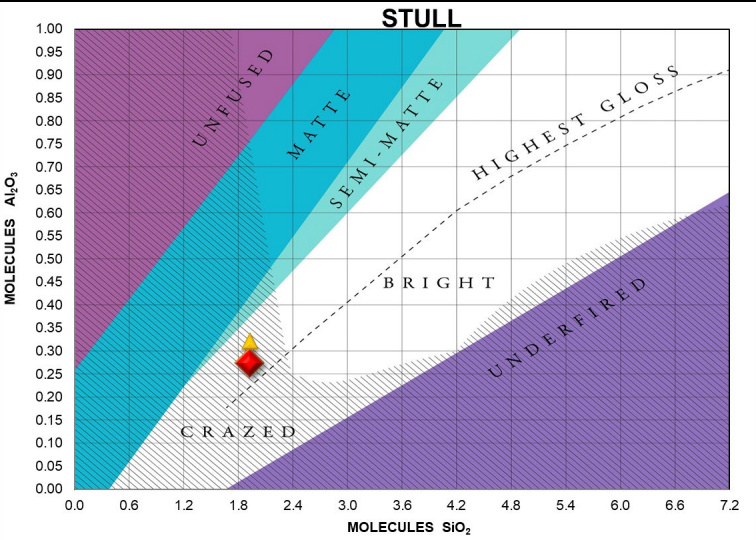
2-3 Second Dips



Oxidation

Reduction

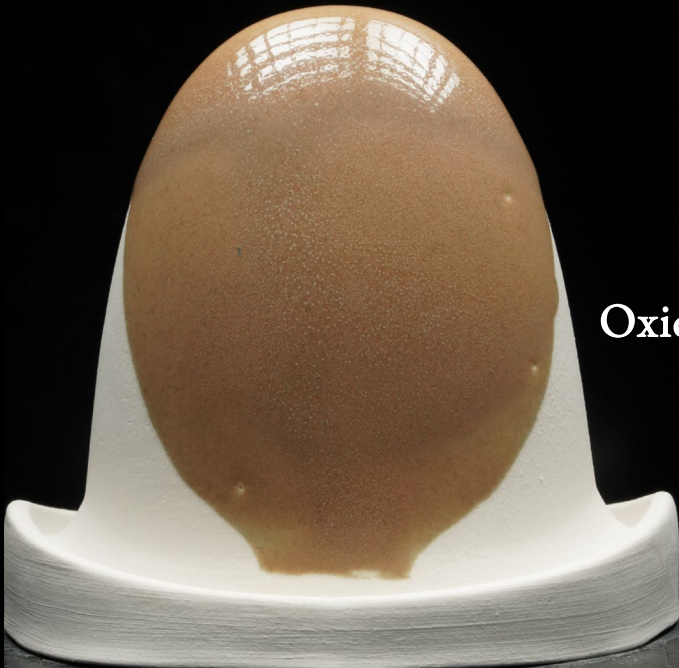
SiO ₂ :Al ₂ O ₃ Ratio 5.98 :1		Alkali Metals 0.28		Alkaline Earths 0.72	
SiO ₂ 1.93	Collective "Al ₂ O ₃ " 0.32	Na ₂ O 0.16	K ₂ O 0.05	MgO 0.00	CaO 0.40
B ₂ O ₃	Al ₂ O ₃ 0.27	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO 0.05	Bi ₂ O ₃	SnO ₂ 0.08	ZnO 0.32	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Tangerine

Neph Sy	37.56
Whiting	15.23
Zinc Oxide	10.15
EPK	7.11
Flint	18.84
Nickel Carb (Green)	2.22
Ultrox (Zircopax)	8.89
Water	70



1-3 Second Dip



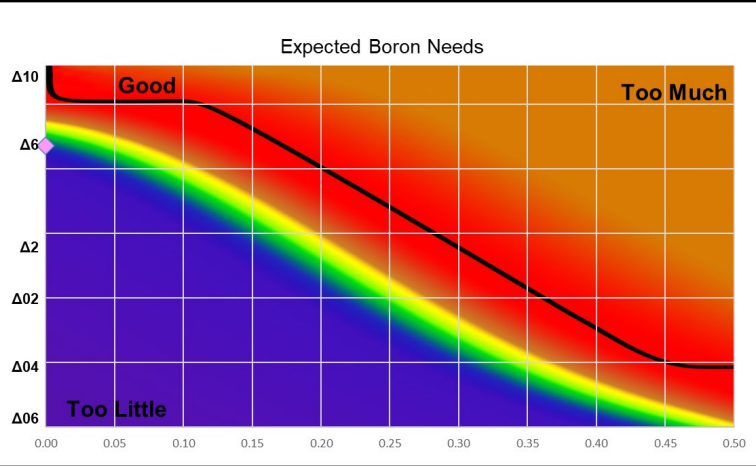
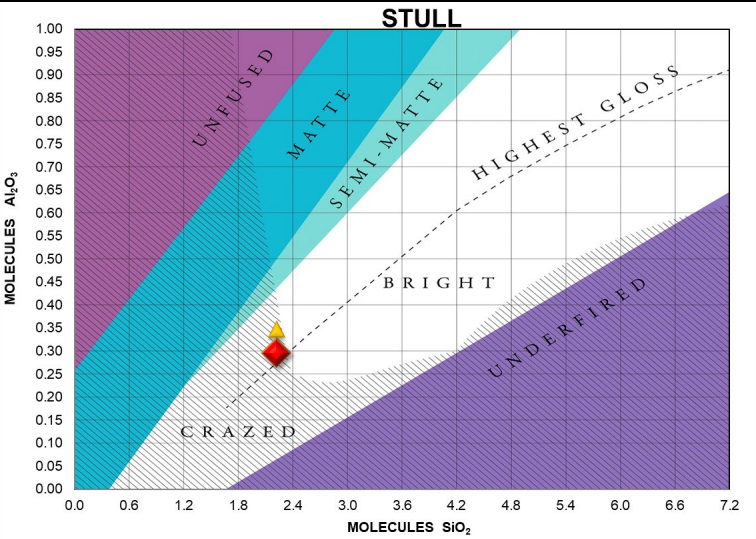
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 6.37 : 1		Alkali Metals 0.22		Alkaline Earths 0.78	
SiO ₂ 2.22	Collective "Al ₂ O ₃ " 0.35	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.00	CaO 0.43
B ₂ O ₃	Al ₂ O ₃ 0.30	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO 0.05	Bi ₂ O ₃	SnO ₂	ZnO 0.34	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Tangerine

Neph Sy	38.07
Whiting	15.43
Zinc Oxide	10.29
EPK	7.20
Flint	19.10
Titanium Dioxide	5.41
Tin Oxide	4.50
Water	70



1-3 Second Dip



2-3 Second Dips

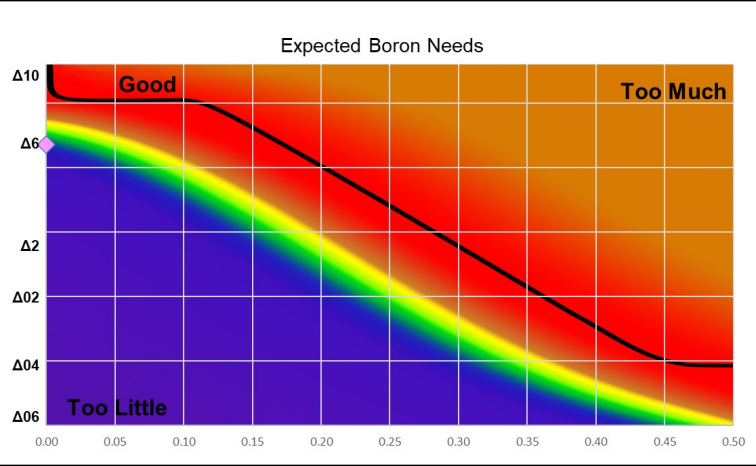
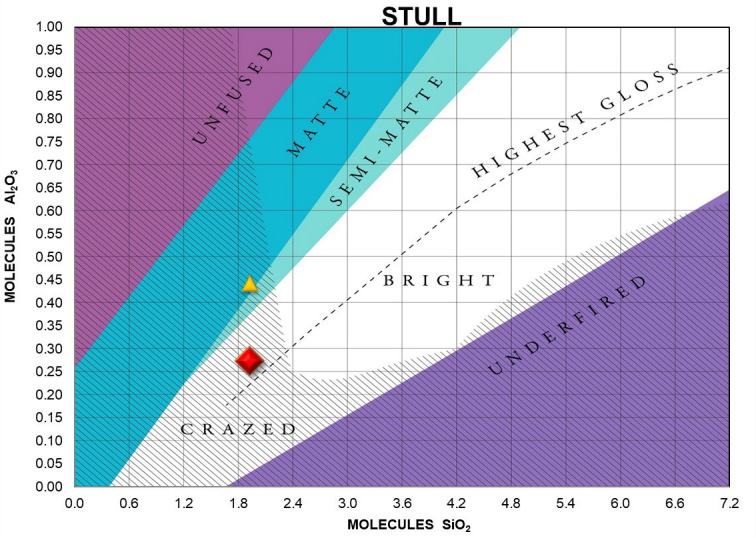


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 4.35 : 1		Alkali Metals 0.28		Alkaline Earths 0.72	
SiO ₂ 1.93	Collective "Al ₂ O ₃ " 0.44	Na ₂ O 0.16	K ₂ O 0.05	MgO 0.00	CaO 0.40
B ₂ O ₃	Al ₂ O ₃ 0.27	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.17	NiO	Bi ₂ O ₃	SnO ₂ 0.08	ZnO 0.32	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Tangerine

Neph Sy	36.43
Whiting	14.77
Zinc Oxide	9.85
EPK	6.89
Flint	18.27
Titanium Dioxide	5.17
Ultrox (Zircopax)	8.62
Water	60



1-3 Second Dip



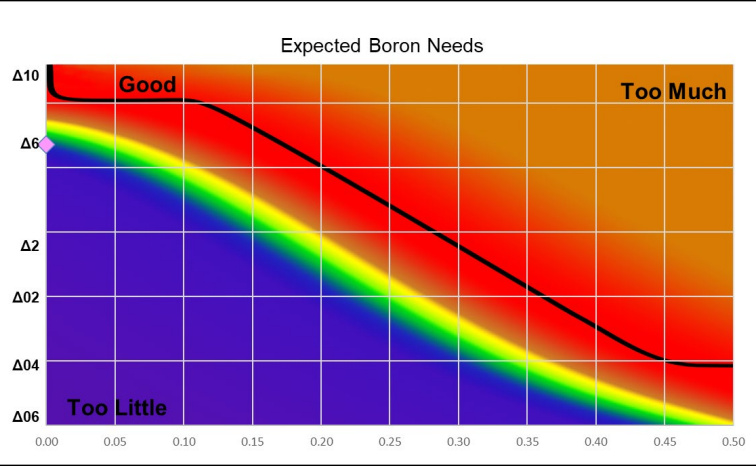
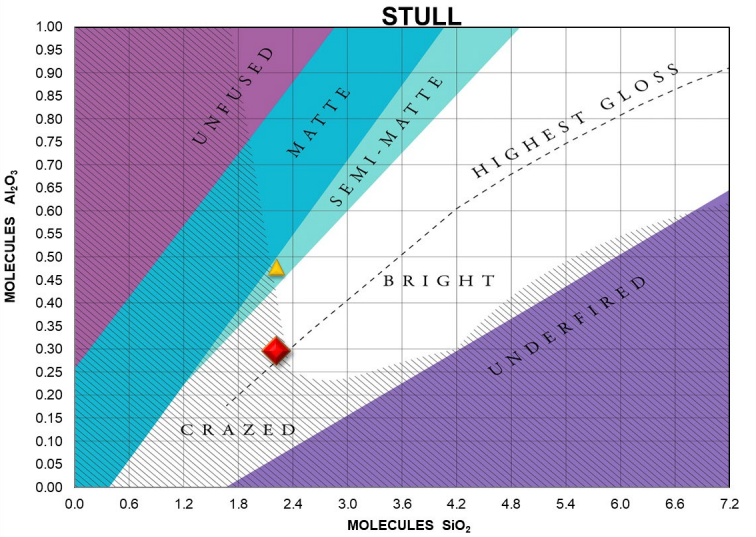
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 4.63 : 1		Alkali Metals 0.22		Alkaline Earths 0.78	
SiO ₂ 2.22	Collective "Al ₂ O ₃ " 0.48	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.00	CaO 0.43
B ₂ O ₃	Al ₂ O ₃ 0.30	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.18	NiO	Bi ₂ O ₃	SnO ₂	ZnO 0.34	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Tangerine

Neph Sy	36.74
Whiting	14.90
Zinc Oxide	9.93
EPK	6.95
Flint	18.43
Tin Oxide	4.35
Ultrox (Zircopax)	8.70
Water	70



1-3 Second Dip



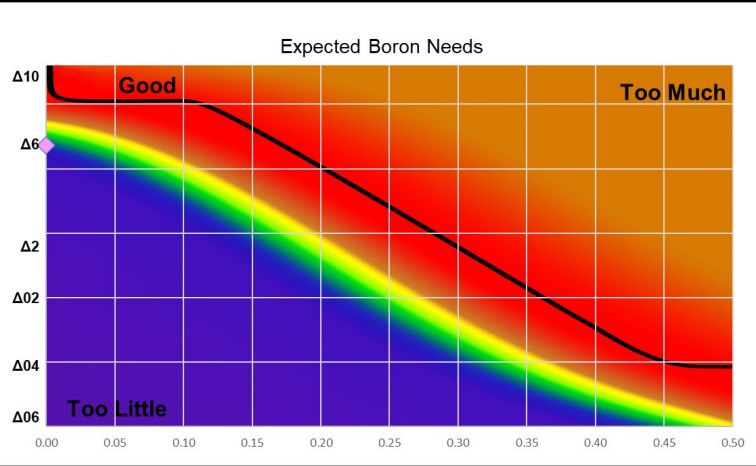
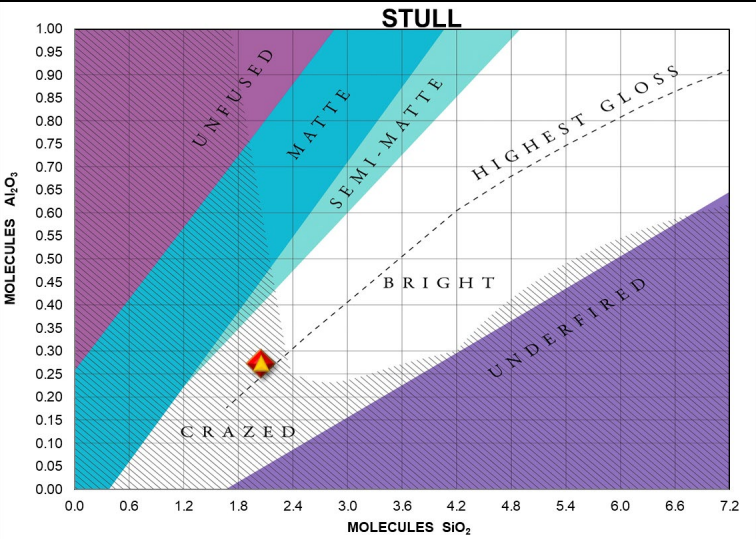
2-3 Second Dips



Oxidation

Reduction

SiO ₂ :Al ₂ O ₃ Ratio 7.48 :1		Alkali Metals 0.28		Alkaline Earths 0.72	
SiO ₂ 2.05	Collective "Al ₂ O ₃ " 0.27	Na ₂ O 0.16	K ₂ O 0.05	MgO 0.00	CaO 0.40
B ₂ O ₃	Al ₂ O ₃ 0.27	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂ 0.08	ZnO 0.32	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop