

Katz Matte- Δ 10

Lab 5b-Color Wheel 2-Individual

Katz Matte

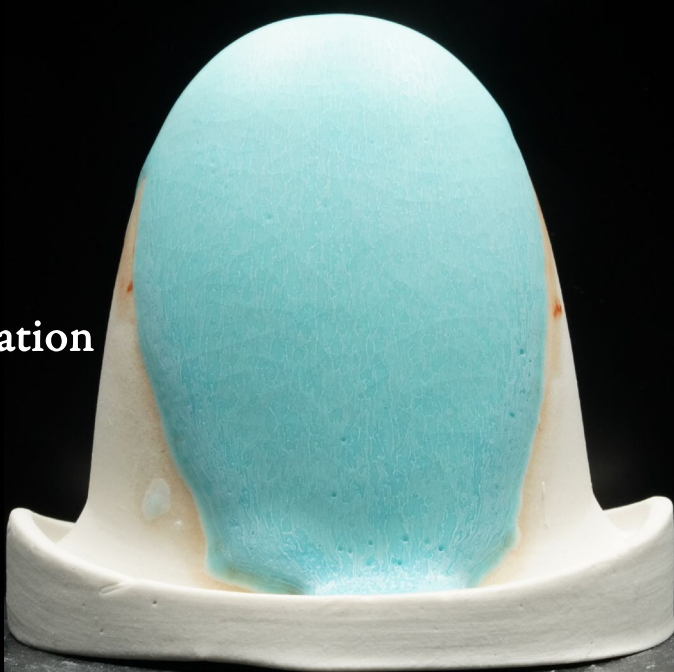
Original
062522-1

Neph Sy	42.84
Strontium Carb	35.37
EPK	12.90
Flint	8.89
Copper Carbonate	1.01
Water	60

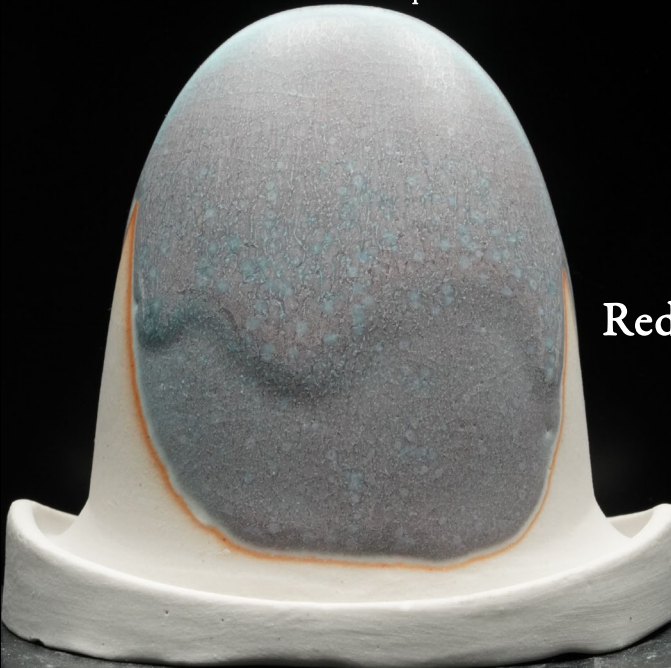


Oxidation

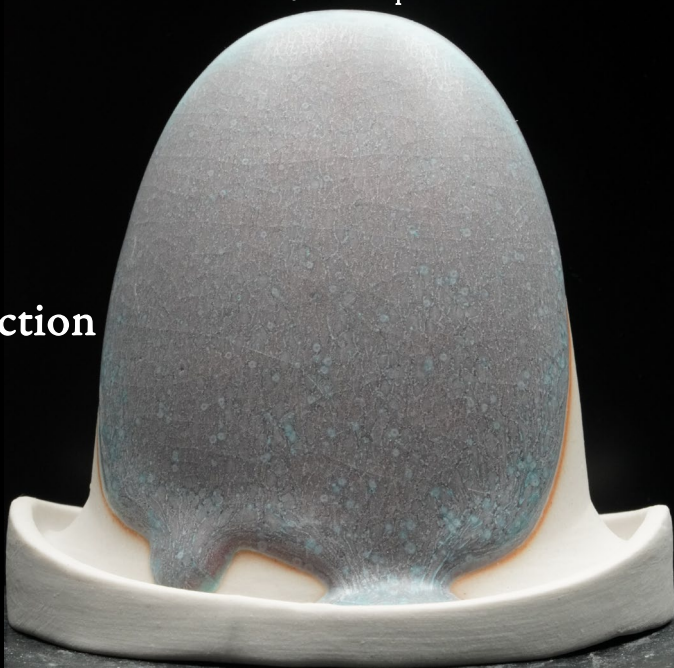
1-3 Second Dip



2-3 Second Dips

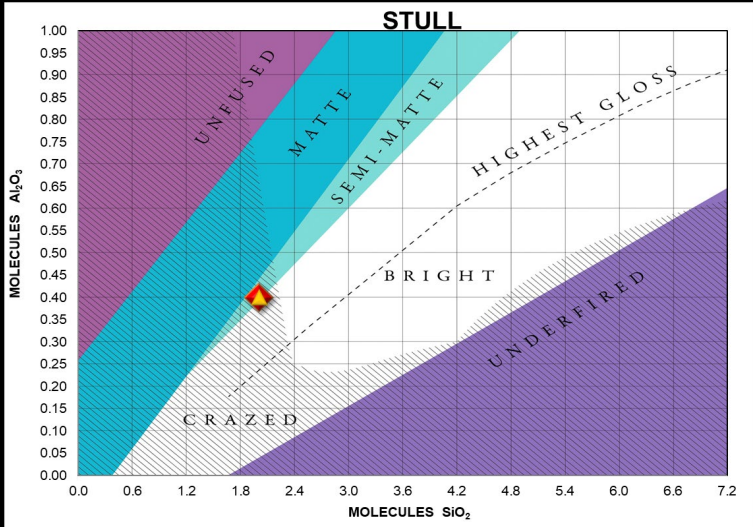


Reduction



UMF

SiO ₂ :Al ₂ O ₃ Ratio 5.00 : 1		Alkali Metals 0.29		Alkaline Earths 0.71	
SiO ₂ 2.01	Collective "Al ₂ O ₃ " 0.40	Na ₂ O 0.21	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.40	Li ₂ O	CuO 0.02	SrO 0.69	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

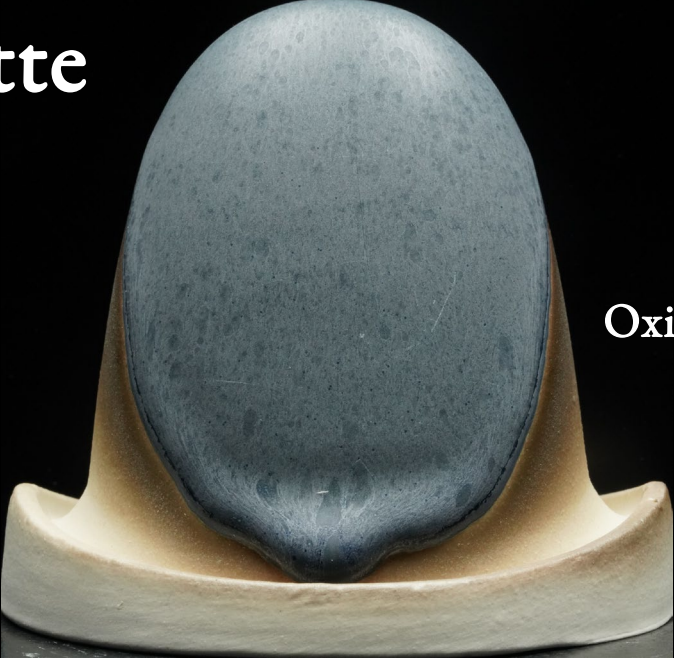
SiO ₂ :Al ₂ O ₃ Ratio 5.00 : 1		Alkali Metals 0.27		Alkaline Earths 0.73	
SiO ₂ 2.06	Collective "Al ₂ O ₃ " 0.41	Na ₂ O 0.21	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.41	Li ₂ O	CuO	SrO 0.71	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Katz Matte

Neph Sy	42.00
Strontium Carb	34.68
EPK	12.64
Flint	8.72
Cobalt Carbonate	0.98
Chrome Oxide	0.98
Water	60



1-3 Second Dip



2-3 Second Dips

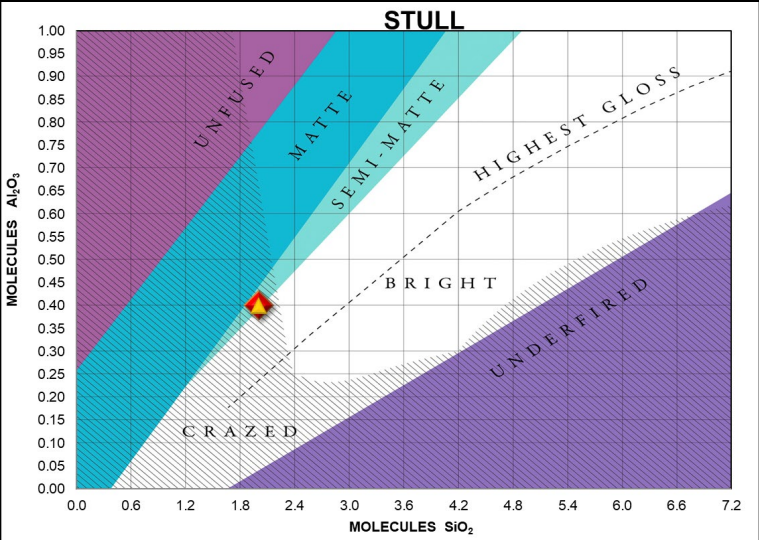


Reduction



Oxidation

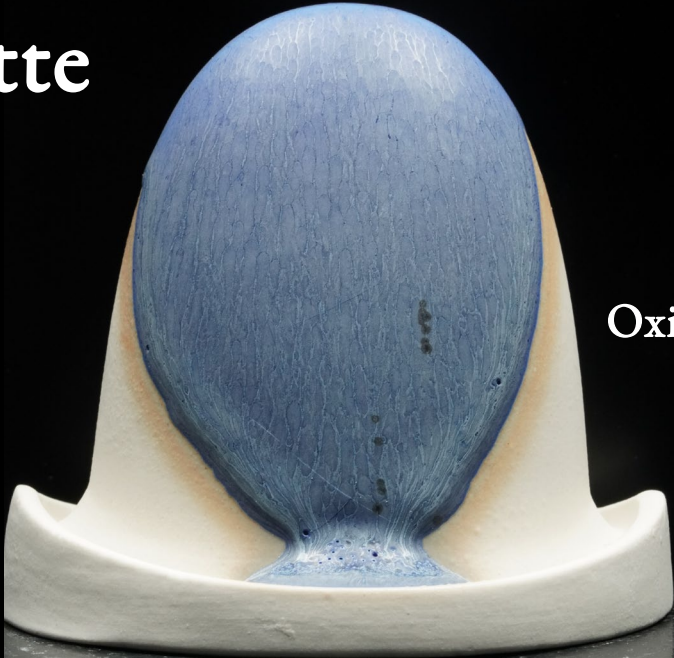
SiO ₂ :Al ₂ O ₃ Ratio 5.00 :1		Alkali Metals 0.27		Alkaline Earths 0.73	
SiO ₂ 2.01	Collective "Al ₂ O ₃ " 0.40	Na ₂ O 0.21	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.40	Li ₂ O	CuO	SrO 0.69	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃ 0.02	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.02



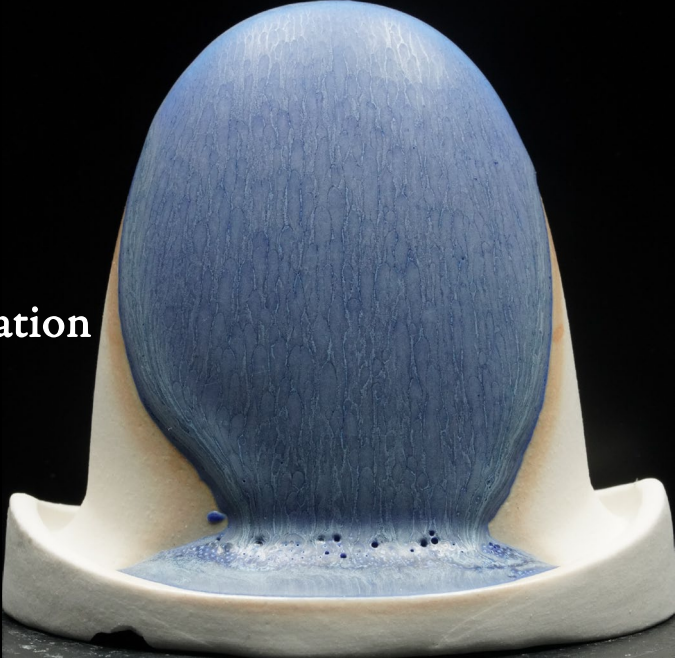
Ceramic
Materials
Workshop

Katz Matte

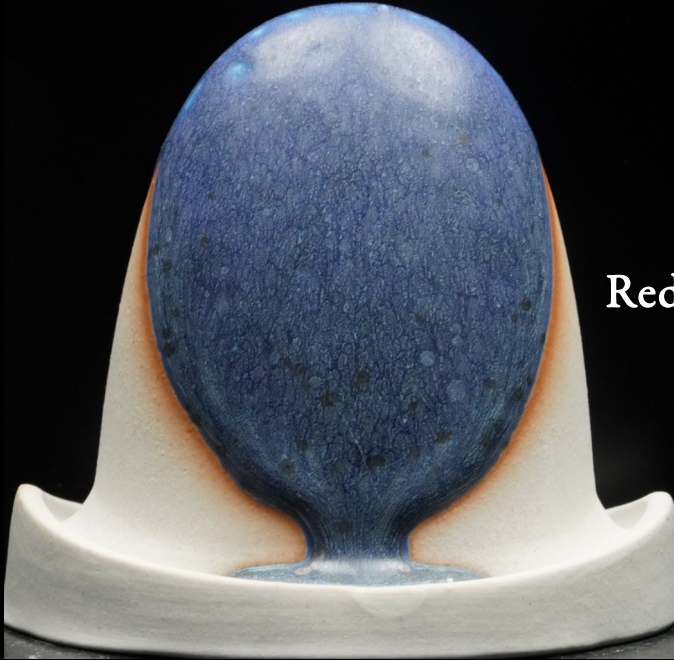
Neph Sy	41.19
Strontium Carb	34.01
EPK	12.40
Flint	8.55
Cobalt Carbonate	0.96
Copper Carbonate	2.88
Water	60



1-3 Second Dip



2-3 Second Dips

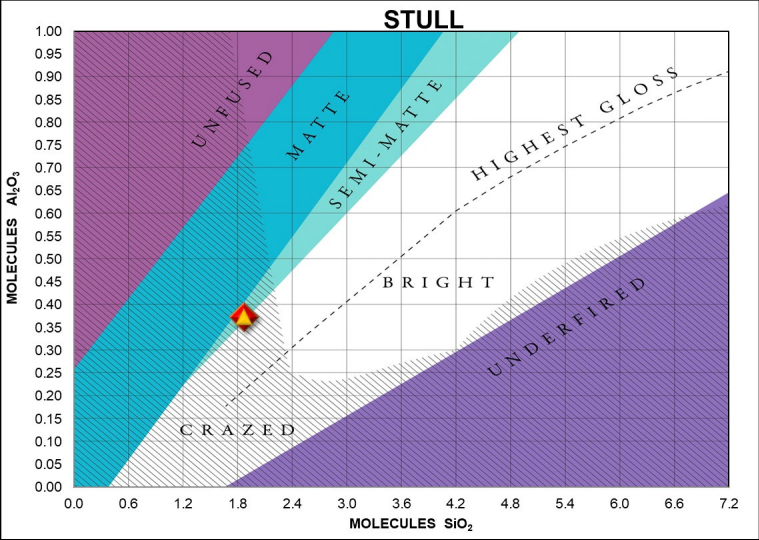


Reduction



Oxidation

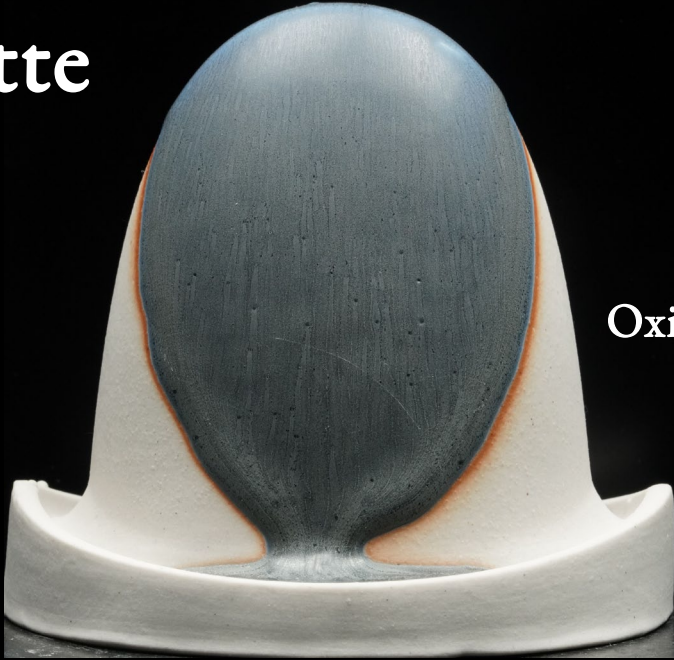
SiO ₂ :Al ₂ O ₃ Ratio 5.00 :1		Alkali Metals 0.31		Alkaline Earths 0.69	
SiO ₂ 1.87	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.19	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.37	Li ₂ O	CuO 0.07	SrO 0.65	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.02



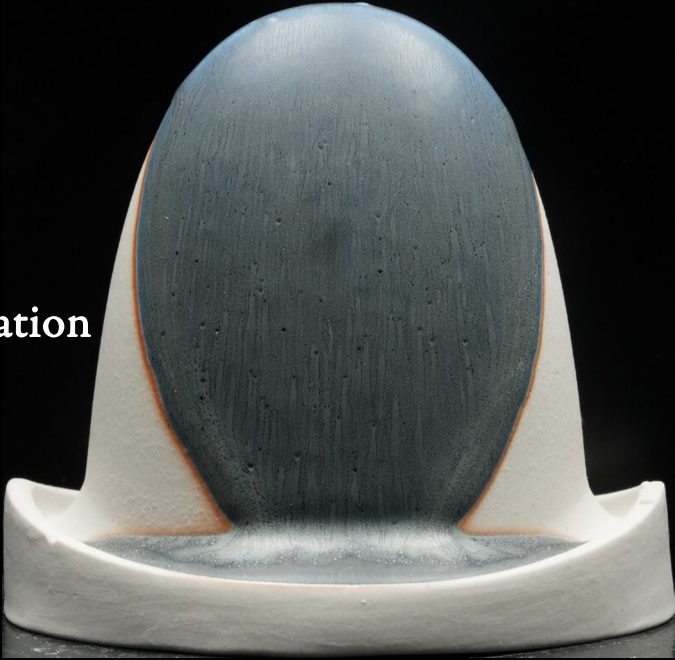
Ceramic
Materials
Workshop

Katz Matte

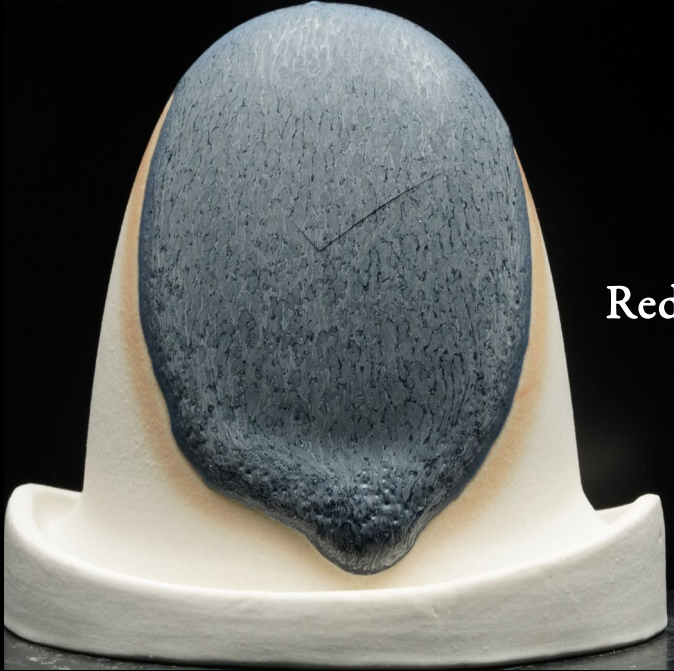
Neph Sy	40.04
Strontium Carb	33.06
EPK	12.05
Flint	8.31
Cobalt Carbonate	0.93
Red Iron Oxide	5.61
Water	60



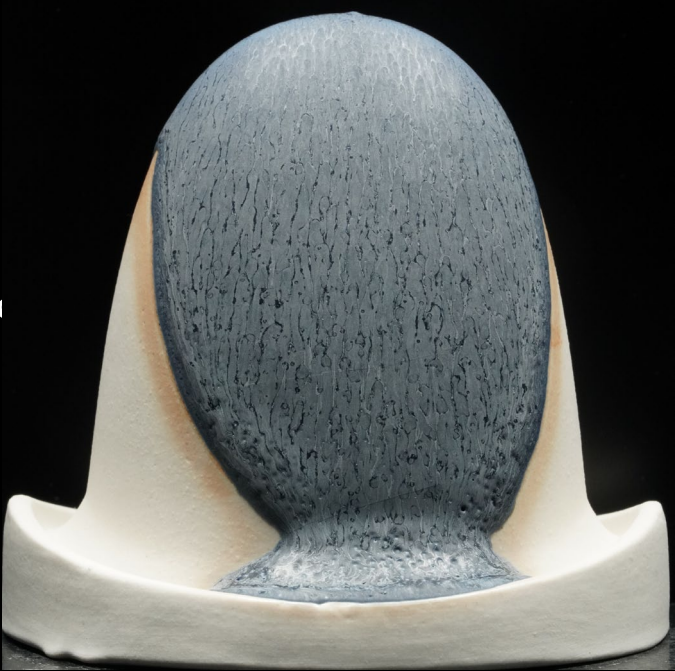
1-3 Second Dip



2-3 Second Dips

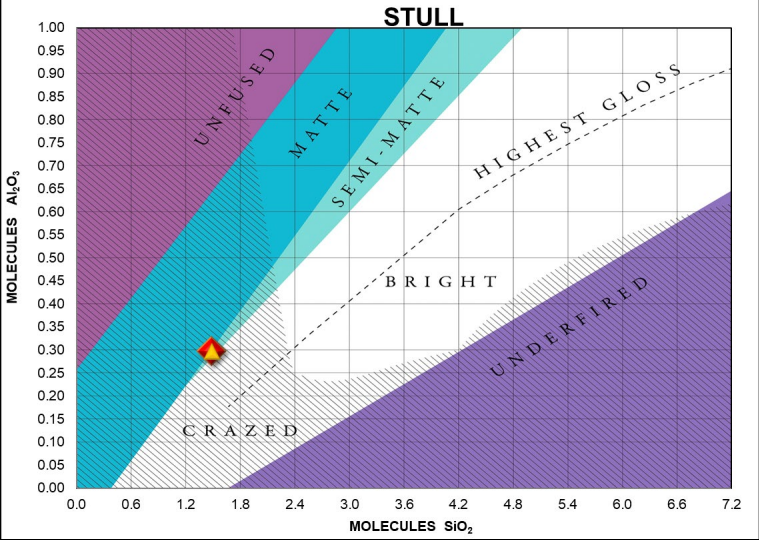


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 5.00 : 1		Alkali Metals 0.20		Alkaline Earths 0.80	
SiO ₂ 1.49	Collective "Al ₂ O ₃ " 0.30	Na ₂ O 0.15	K ₂ O 0.04	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.30	Li ₂ O	CuO	SrO 0.51	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.26
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.02



Ceramic
Materials
Workshop

Katz Matte

Neph Sy	41.19
Strontium Carb	34.01
EPK	12.40
Flint	8.55
Cobalt Carbonate	0.96
Manganese Dioxide	2.88
Water	60



1-3 Second Dip



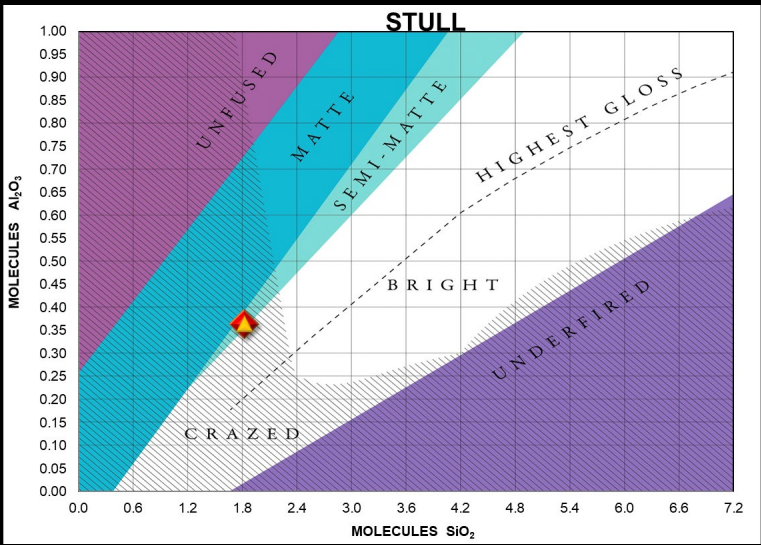
2-3 Second Dips



Oxidation

Reduction

SiO ₂ :Al ₂ O ₃ Ratio 5.00 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 1.82	Collective "Al ₂ O ₃ " 0.36	Na ₂ O 0.19	K ₂ O 0.05	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.36	Li ₂ O	CuO	SrO 0.63	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 0.09	CoO 0.02



Ceramic
Materials
Workshop

Katz Matte

Neph Sy	41.39
Strontium Carb	34.18
EPK	12.46
Flint	8.59
Cobalt Carbonate	0.97
Nickel Carb (Green)	2.42
Water	60



1-3 Second Dip



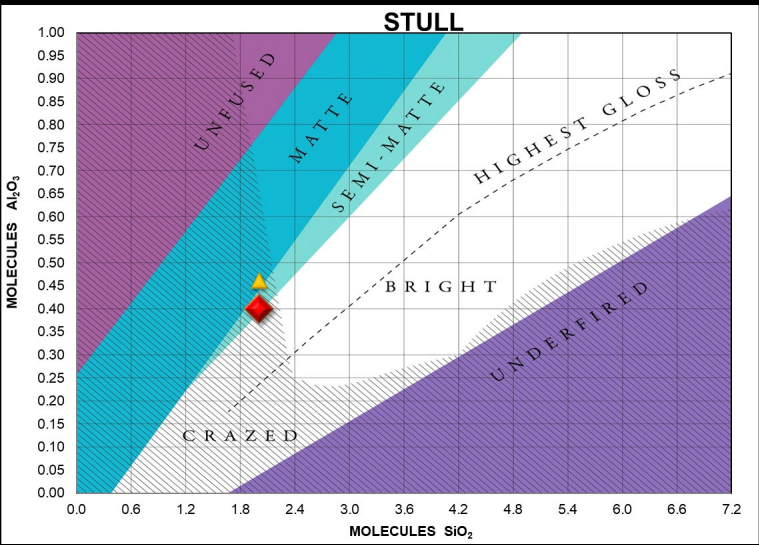
2-3 Second Dips

Oxidation



Reduction

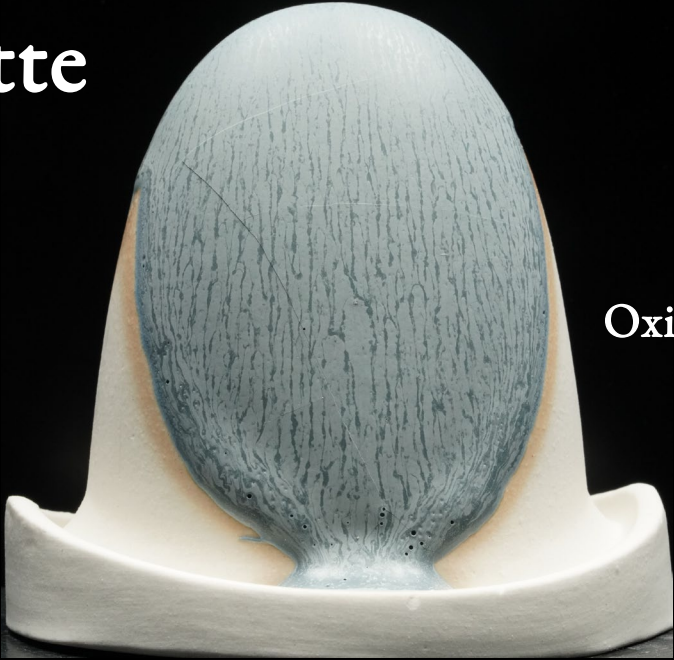
SiO ₂ :Al ₂ O ₃ Ratio 4.34 : 1		Alkali Metals 0.27		Alkaline Earths 0.73	
SiO ₂ 2.01	Collective "Al ₂ O ₃ " 0.46	Na ₂ O 0.21	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.40	Li ₂ O	CuO	SrO 0.69	BaO
TiO ₂ 0.00	NiO 0.06	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.02



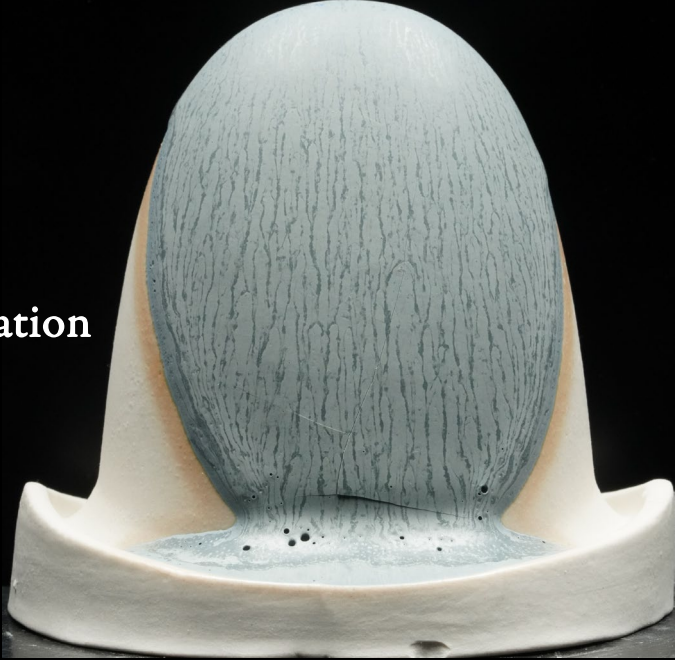
Ceramic
Materials
Workshop

Katz Matte

Neph Sy	40.04
Strontium Carb	33.06
EPK	12.05
Flint	8.31
Cobalt Carbonate	0.93
Titanium Dioxide	5.61
Water	60



1-3 Second Dip



2-3 Second Dips

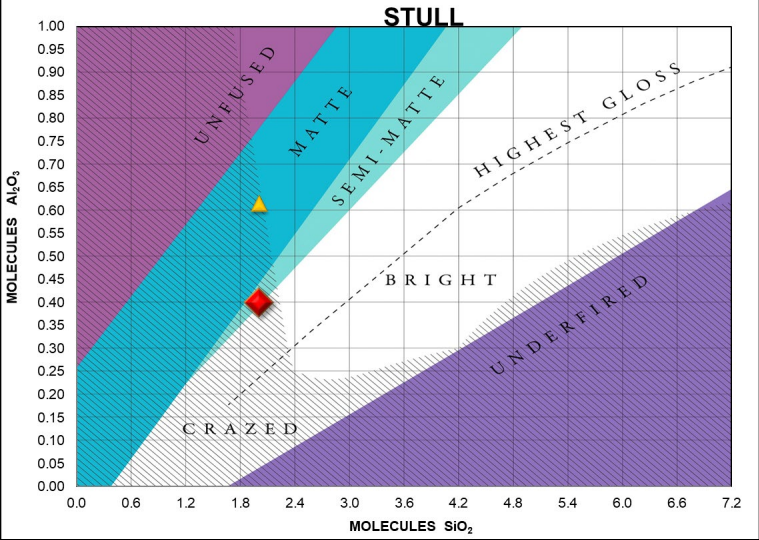


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 3.26 : 1		Alkali Metals 0.27		Alkaline Earths 0.73	
SiO ₂ 2.01	Collective "Al ₂ O ₃ " 0.62	Na ₂ O 0.21	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.40	Li ₂ O	CuO	SrO 0.69	BaO
TiO ₂ 0.22	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.02



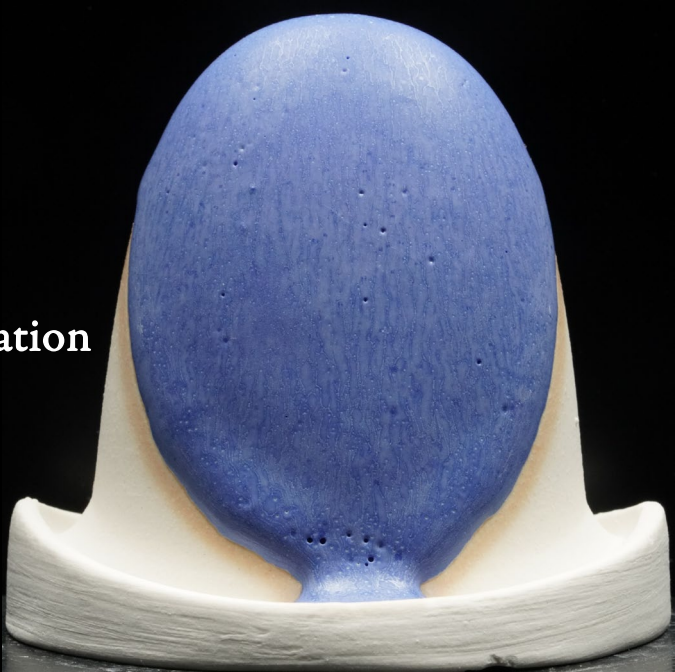
Ceramic
Materials
Workshop

Katz Matte

Neph Sy	40.42
Strontium Carb	33.37
EPK	12.17
Flint	8.39
Cobalt Carbonate	0.94
Tin Oxide	4.72
Water	60

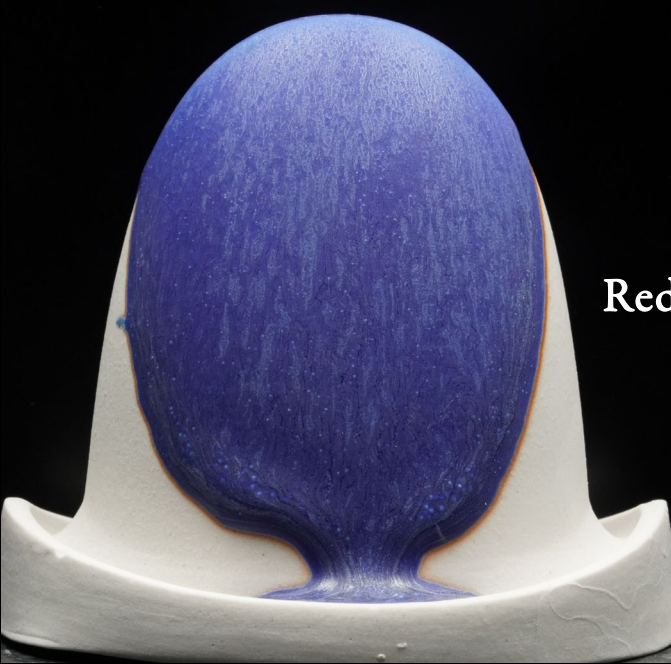


1-3 Second Dip

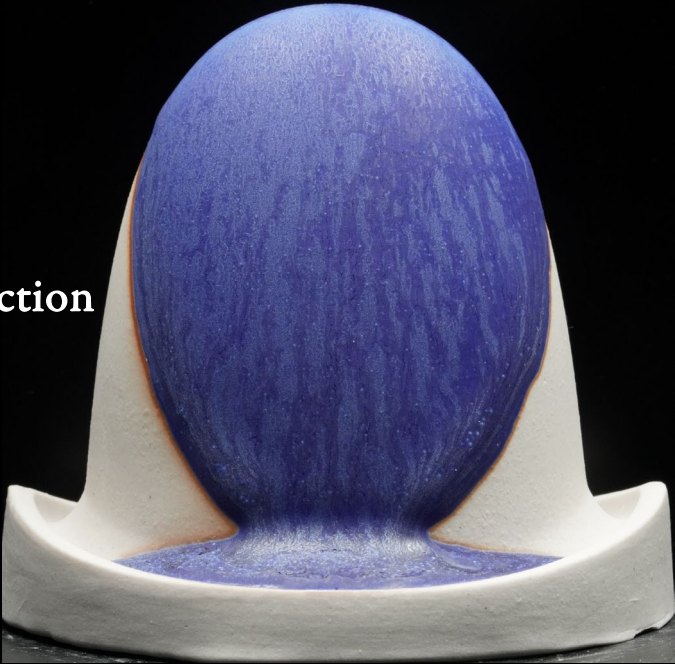


2-3 Second Dips

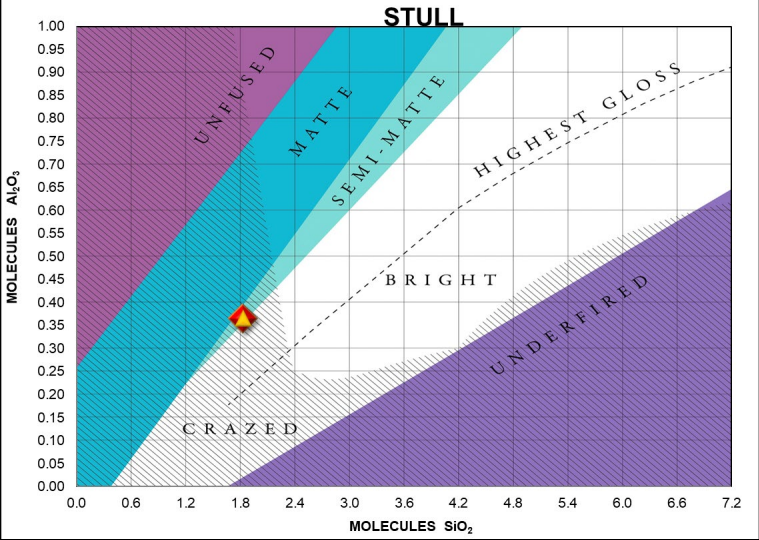
Oxidation



Reduction



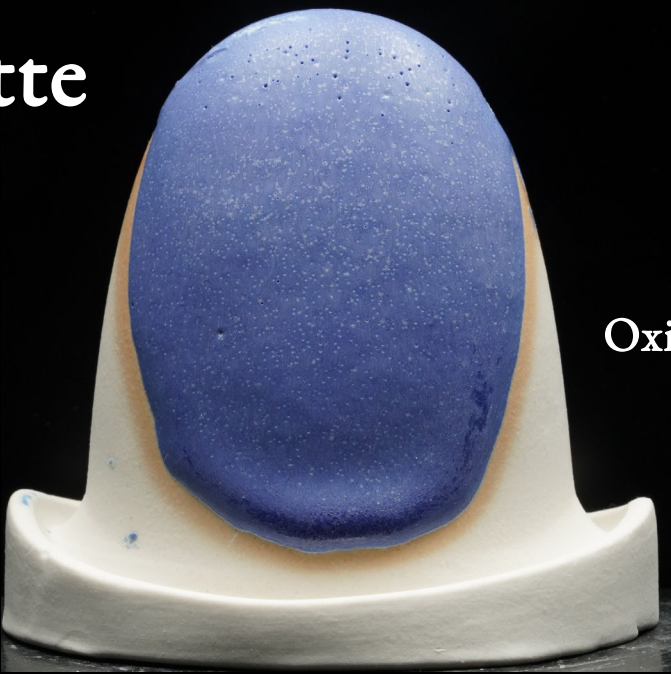
SiO ₂ :Al ₂ O ₃ Ratio 5.00 :1		Alkali Metals 0.33		Alkaline Earths 0.67	
SiO ₂ 1.83	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.19	K ₂ O 0.05	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.36	Li ₂ O	CuO	SrO 0.63	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂ 0.09	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.02



Ceramic
Materials
Workshop

Katz Matte

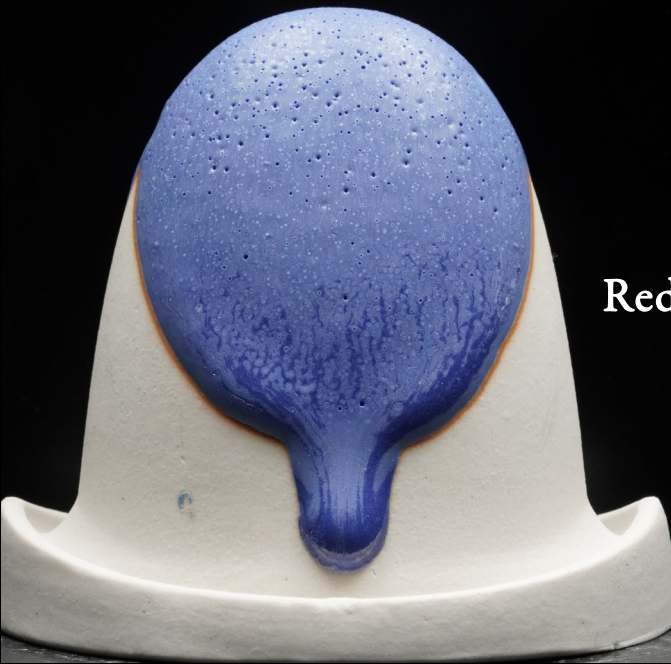
Neph Sy	38.60
Strontium Carb	31.87
EPK	11.62
Flint	8.01
Cobalt Carbonate	0.90
Ultrox (Zircopax)	9.01
Water	60



1-3 Second Dip



2-3 Second Dips

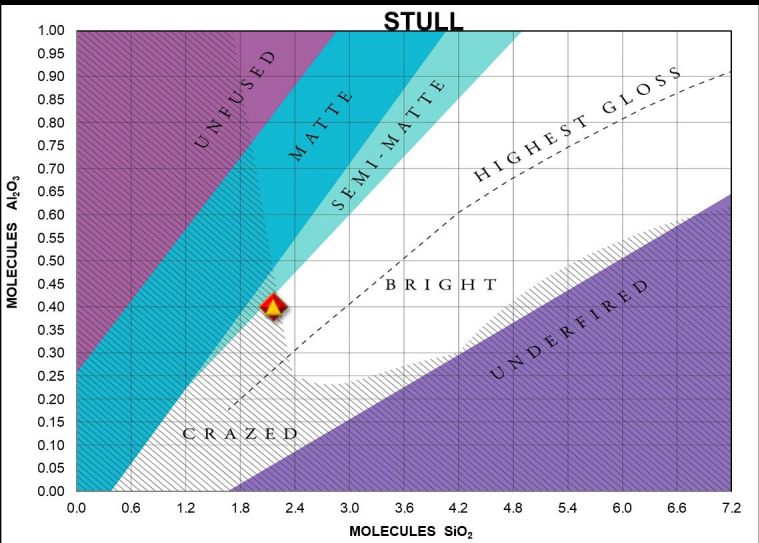


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 5.39 : 1		Alkali Metals 0.27		Alkaline Earths 0.73	
SiO ₂ 2.16	Collective "Al ₂ O ₃ " 0.40	Na ₂ O 0.21	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.40	Li ₂ O	CuO	SrO 0.69	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 0.02



Ceramic
Materials
Workshop

Katz Matte

Neph Sy	41.19
Strontium Carb	34.01
EPK	12.40
Flint	8.55
Chrome Oxide	0.96
Copper Carbonate	2.88
Water	60



1-3 Second Dip



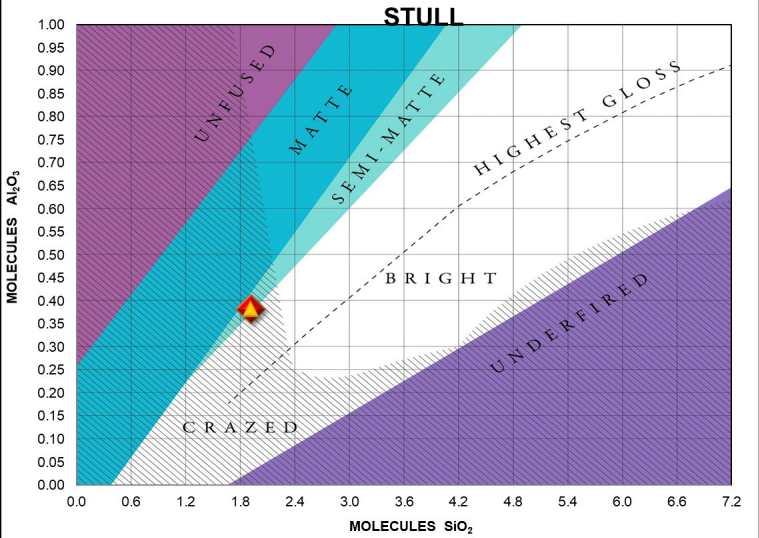
2-3 Second Dips



Oxidation

Reduction

SiO ₂ :Al ₂ O ₃ Ratio 5.00 : 1		Alkali Metals 0.32		Alkaline Earths 0.68	
SiO ₂ 1.92	Collective "Al ₂ O ₃ " 0.38	Na ₂ O 0.20	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.38	Li ₂ O	CuO 0.07	SrO 0.66	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

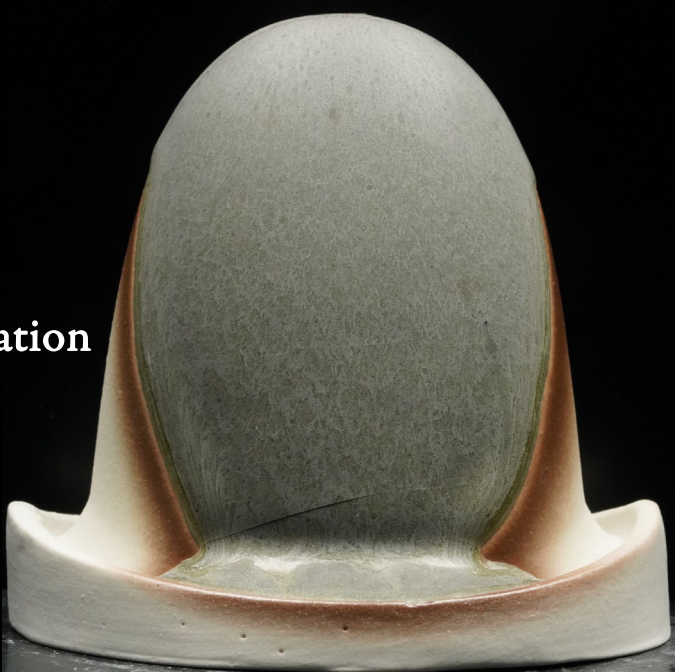
Katz Matte

Neph Sy	40.04
Strontium Carb	33.06
EPK	12.05
Flint	8.31
Chrome Oxide	0.93
Red Iron Oxide	5.61
Water	60



Oxidation

1-3 Second Dip



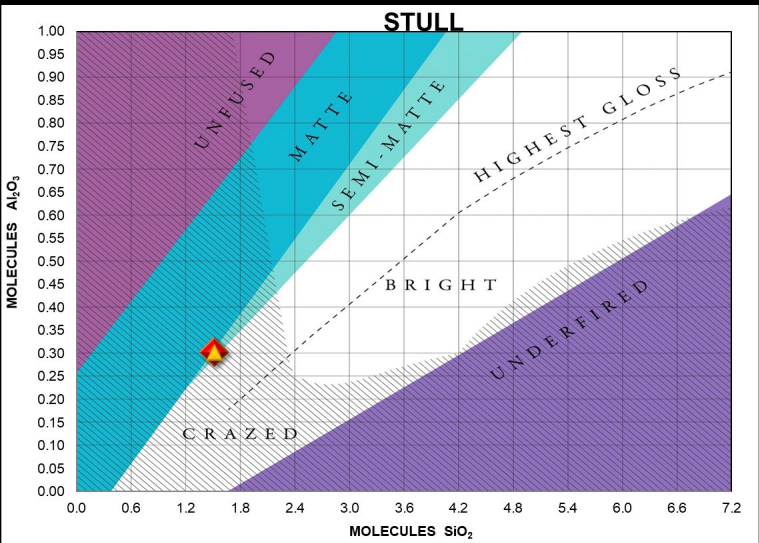
2-3 Second Dips



Reduction



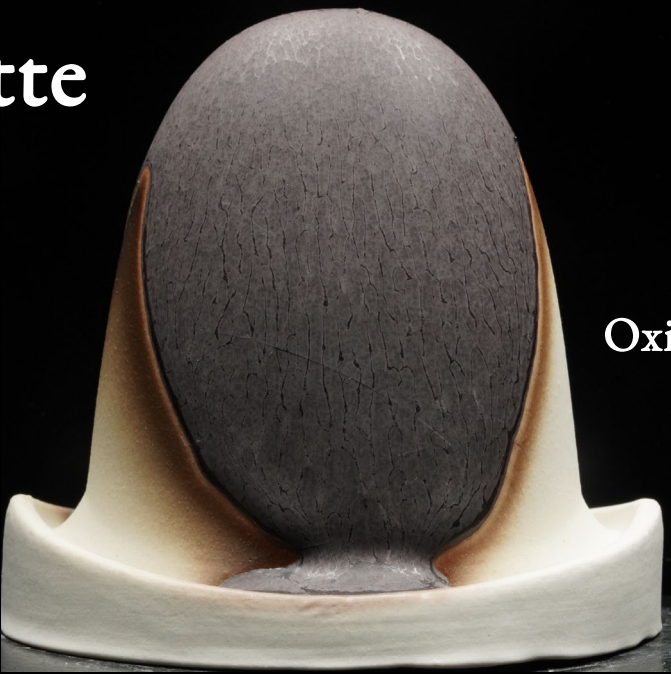
SiO ₂ :Al ₂ O ₃ Ratio 5.00 :1		Alkali Metals 0.20		Alkaline Earths 0.80	
SiO ₂ 1.52	Collective "Al ₂ O ₃ " 0.30	Na ₂ O 0.16	K ₂ O 0.04	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.30	Li ₂ O	CuO	SrO 0.52	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.27
Cr ₂ O ₃ 0.01	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Katz Matte

Neph Sy	41.19
Strontium Carb	34.01
EPK	12.40
Flint	8.55
Chrome Oxide	0.96
Manganese Dioxide	2.88
Water	60



1-3 Second Dip



2-3 Second Dips

Oxidation



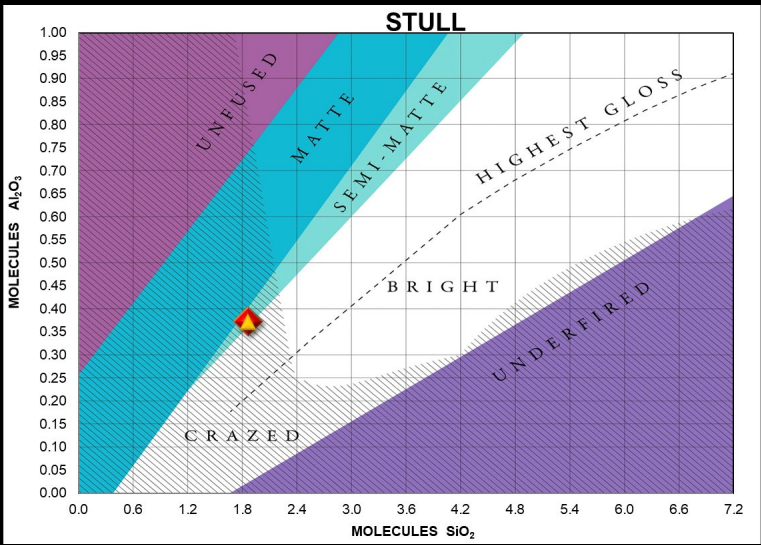
1-3 Second Dip



2-3 Second Dips

Reduction

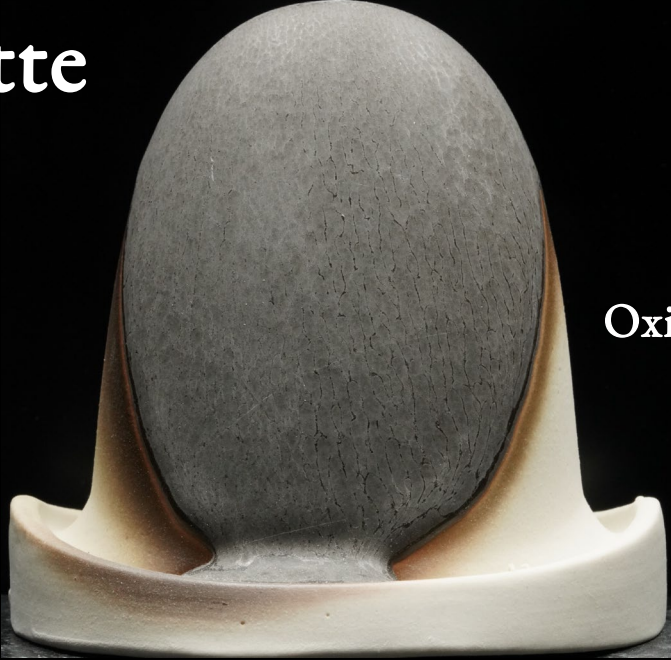
SiO ₂ :Al ₂ O ₃ Ratio 5.00 :1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO ₂ 1.87	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.19	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.37	Li ₂ O	CuO	SrO 0.64	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃ 0.02	ZrO ₂	P ₂ O ₅		MnO ₂ 0.09	CoO



Ceramic
Materials
Workshop

Katz Matte

Neph Sy	41.39
Strontium Carb	34.18
EPK	12.46
Flint	8.59
Chrome Oxide	0.97
Nickel Carb (Green)	2.42
Water	60



1-3 Second Dip



2-3 Second Dips

Oxidation



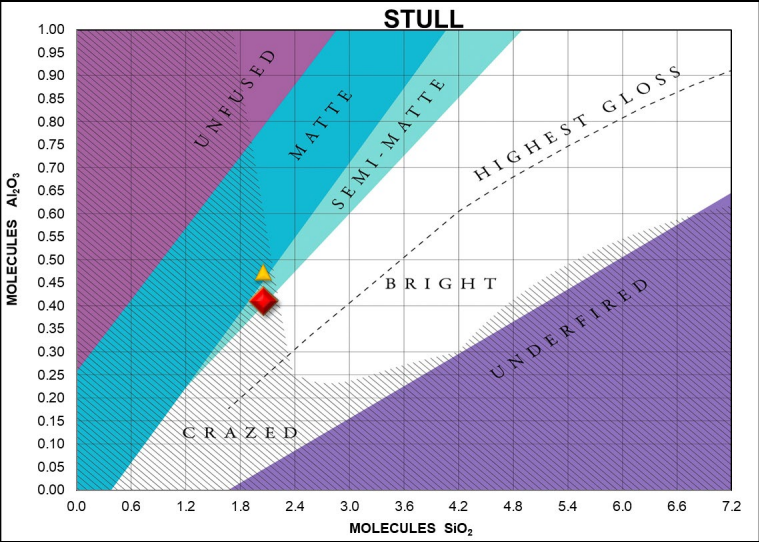
1-3 Second Dip



2-3 Second Dips

Reduction

SiO ₂ :Al ₂ O ₃ Ratio 4.34 : 1		Alkali Metals 0.27		Alkaline Earths 0.73	
SiO ₂ 2.06	Collective "Al ₂ O ₃ " 0.47	Na ₂ O 0.21	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.41	Li ₂ O	CuO	SrO 0.71	BaO
TiO ₂ 0.00	NiO 0.06	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

Katz Matte

Neph Sy	40.04
Strontium Carb	33.06
EPK	12.05
Flint	8.31
Chrome Oxide	0.93
Titanium Dioxide	5.61
Water	60



1-3 Second Dip



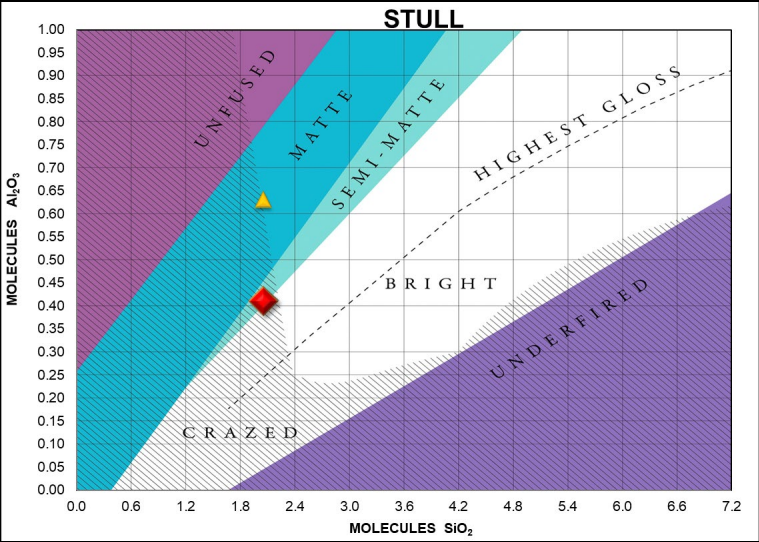
2-3 Second Dips

Oxidation



Reduction

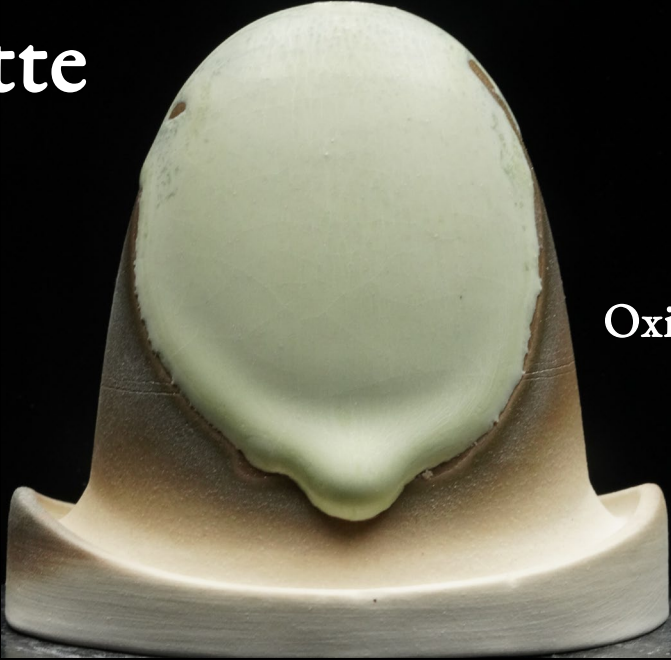
SiO ₂ :Al ₂ O ₃ Ratio 3.26 : 1		Alkali Metals 0.27		Alkaline Earths 0.73	
SiO ₂ 2.06	Collective "Al ₂ O ₃ " 0.63	Na ₂ O 0.21	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.41	Li ₂ O	CuO	SrO 0.71	BaO
TiO ₂ 0.22	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃ 0.02	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



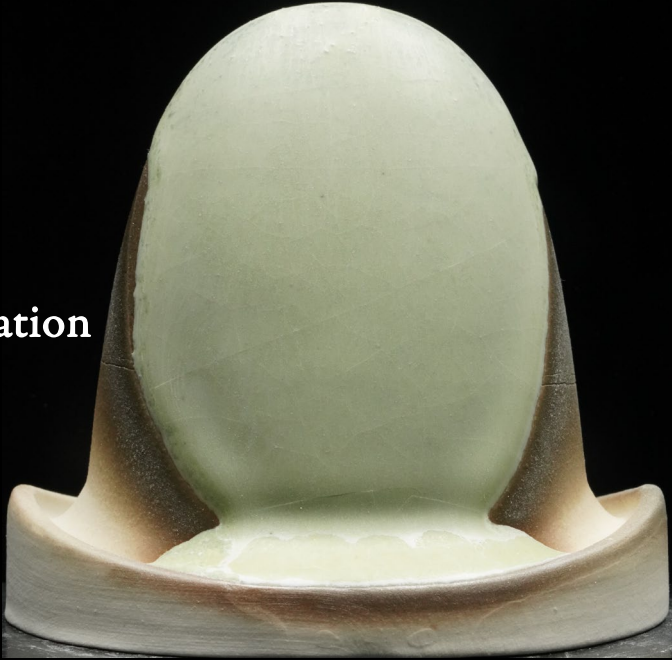
Ceramic
Materials
Workshop

Katz Matte

Neph Sy	40.42
Strontium Carb	33.37
EPK	12.17
Flint	8.39
Chrome Oxide	0.94
Tin Oxide	4.72
Water	60



1-3 Second Dip



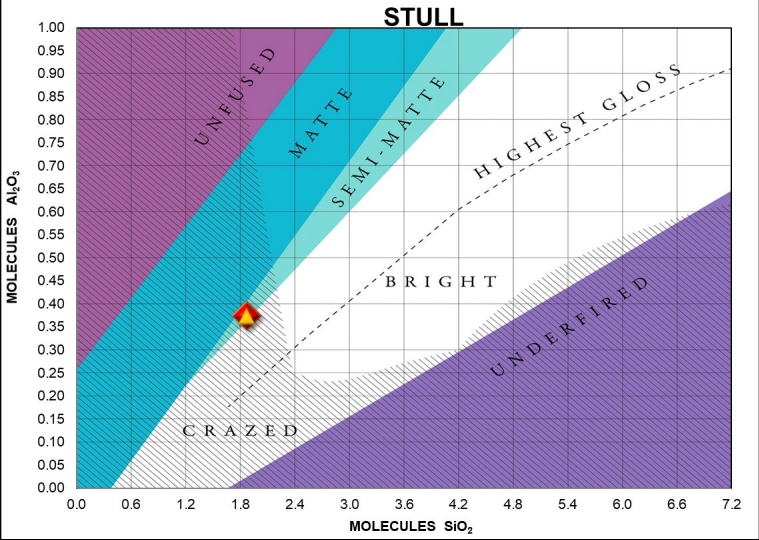
2-3 Second Dips



Reduction

Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 5.00 : 1		Alkali Metals 0.34		Alkaline Earths 0.66	
SiO ₂ 1.87	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.19	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.37	Li ₂ O	CuO	SrO 0.65	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂ 0.09	ZnO	FeO 0.01
Cr ₂ O ₃ 0.02	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Katz Matte

Neph Sy	38.60
Strontium Carb	31.87
EPK	11.62
Flint	8.01
Chrome Oxide	0.90
Ultrox (Zircopax)	9.01
Water	60



1-3 Second Dip



2-3 Second Dips

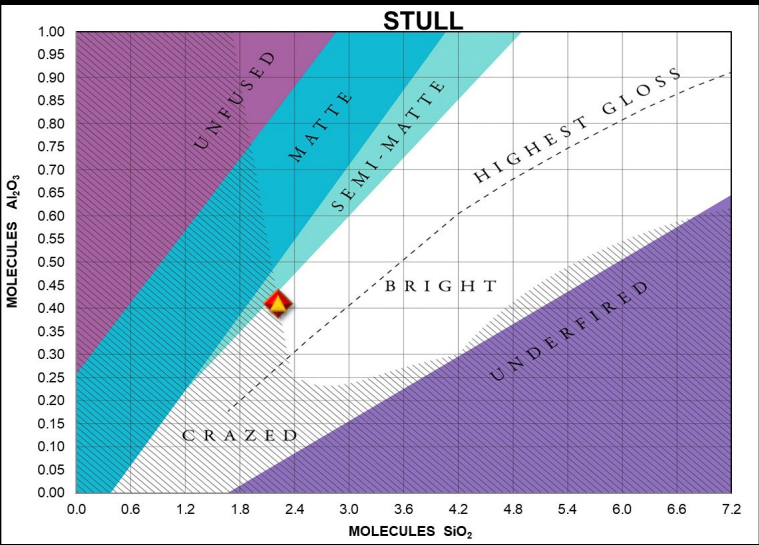


Reduction



Oxidation

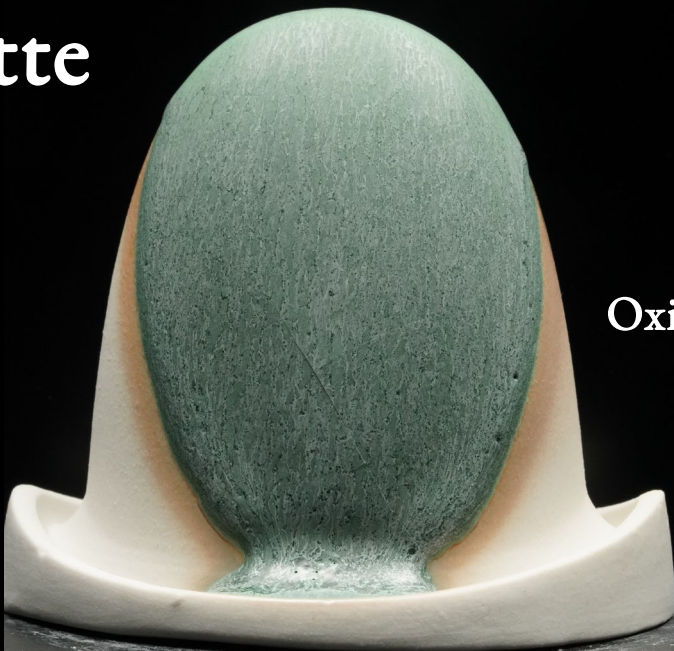
SiO ₂ :Al ₂ O ₃ Ratio 5.39 :1		Alkali Metals 0.27		Alkaline Earths 0.73	
SiO ₂ 2.22	Collective "Al ₂ O ₃ " 0.41	Na ₂ O 0.21	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.41	Li ₂ O	CuO	SrO 0.71	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃ 0.02	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



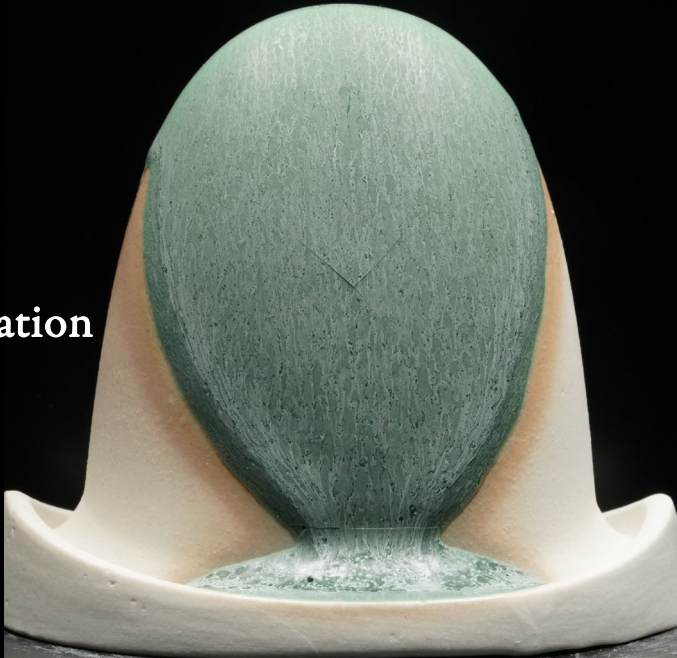
Ceramic
Materials
Workshop

Katz Matte

Neph Sy	39.30
Strontium Carb	32.45
EPK	11.83
Flint	8.16
Copper Carbonate	2.75
Red Iron Oxide	5.50
Water	60



1-3 Second Dip



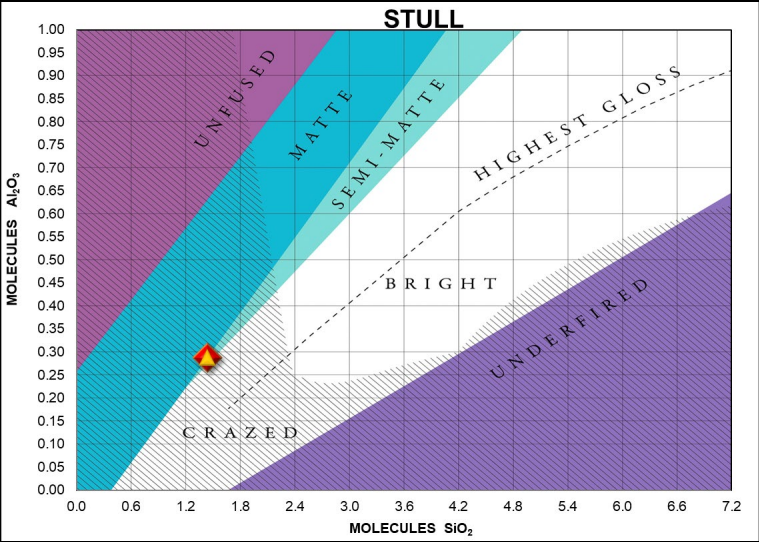
2-3 Second Dips

Oxidation



Reduction

SiO ₂ :Al ₂ O ₃ Ratio 5.00 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 1.44	Collective "Al ₂ O ₃ " 0.29	Na ₂ O 0.15	K ₂ O 0.04	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.29	Li ₂ O	CuO 0.05	SrO 0.50	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



Ceramic
Materials
Workshop

Katz Matte

Neph Sy	40.42
Strontium Carb	33.37
EPK	12.17
Flint	8.39
Copper Carbonate	2.83
Manganese Dioxide	2.83
Water	60



1-3 Second Dip



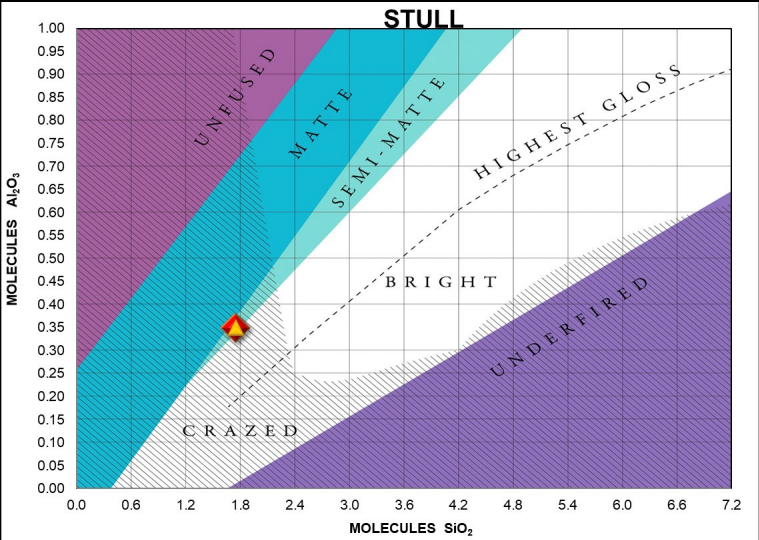
2-3 Second Dips



Oxidation

Reduction

SiO ₂ :Al ₂ O ₃ Ratio 5.00 :1		Alkali Metals 0.29		Alkaline Earths 0.71	
SiO ₂ 1.75	Collective "Al ₂ O ₃ " 0.35	Na ₂ O 0.18	K ₂ O 0.05	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.35	Li ₂ O	CuO 0.06	SrO 0.60	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 0.09	CoO



Ceramic
Materials
Workshop

Katz Matte

Neph Sy	40.61
Strontium Carb	33.53
EPK	12.22
Flint	8.43
Copper Carbonate	2.84
Nickel Carb (Green)	2.37
Water	60



1-3 Second Dip



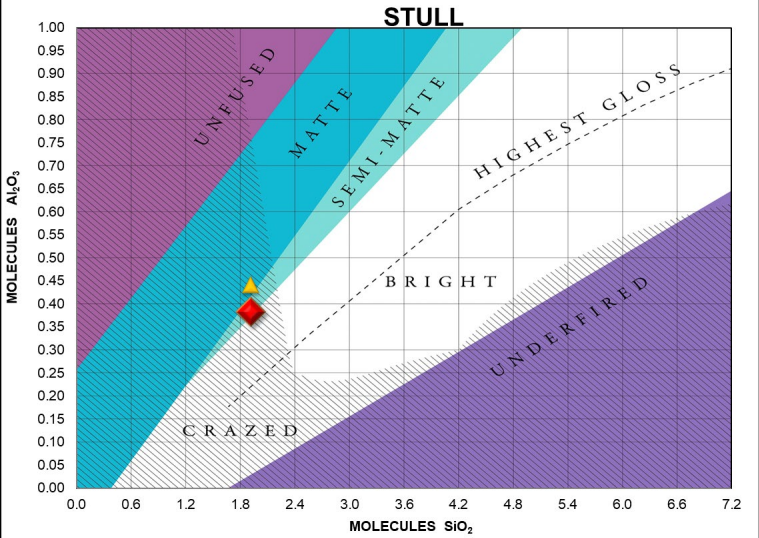
2-3 Second Dips

Oxidation



Reduction

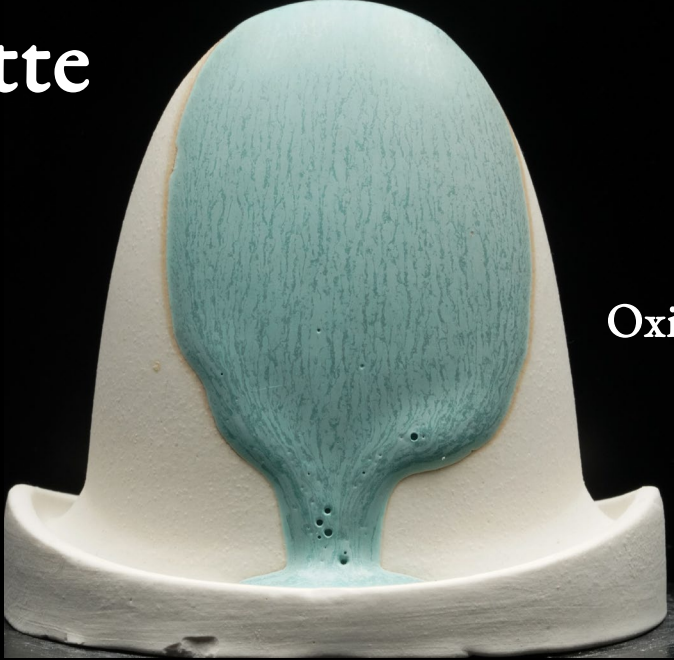
SiO ₂ :Al ₂ O ₃ Ratio 4.34 : 1		Alkali Metals 0.32		Alkaline Earths 0.68	
SiO ₂ 1.92	Collective "Al ₂ O ₃ " 0.44	Na ₂ O 0.20	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.38	Li ₂ O	CuO 0.07	SrO 0.66	BaO
TiO ₂ 0.00	NiO 0.06	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



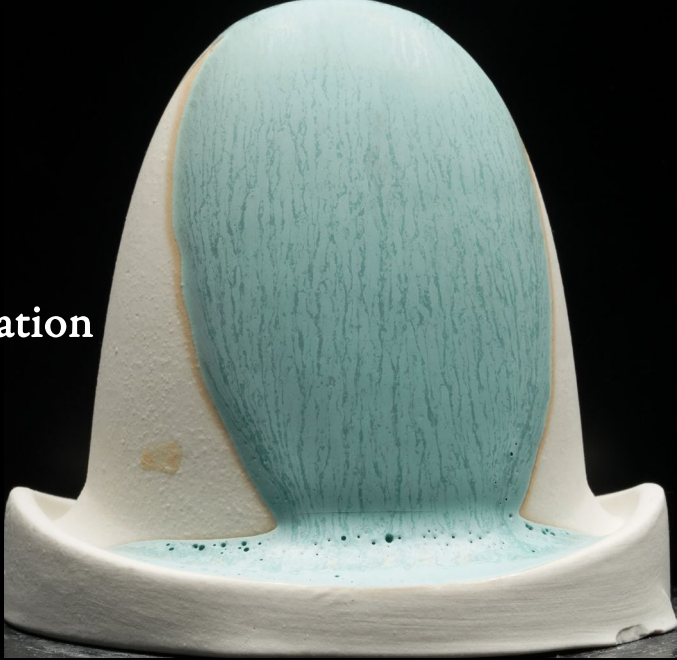
Ceramic
Materials
Workshop

Katz Matte

Neph Sy	39.30
Strontium Carb	32.45
EPK	11.83
Flint	8.16
Copper Carbonate	2.75
Titanium Dioxide	5.50
Water	60



1-3 Second Dip



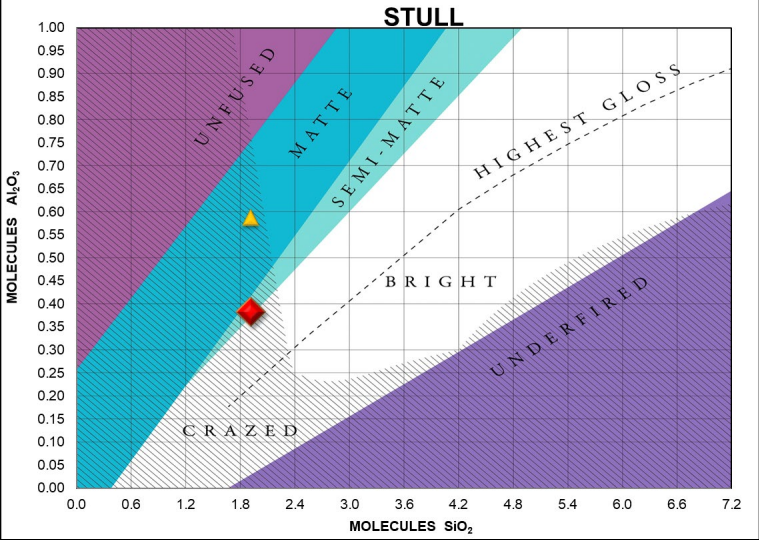
2-3 Second Dips

Oxidation



Reduction

SiO ₂ :Al ₂ O ₃ Ratio 3.26 : 1		Alkali Metals 0.32		Alkaline Earths 0.68	
SiO ₂ 1.92	Collective "Al ₂ O ₃ " 0.59	Na ₂ O 0.20	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.38	Li ₂ O	CuO 0.07	SrO 0.66	BaO
TiO ₂ 0.21	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



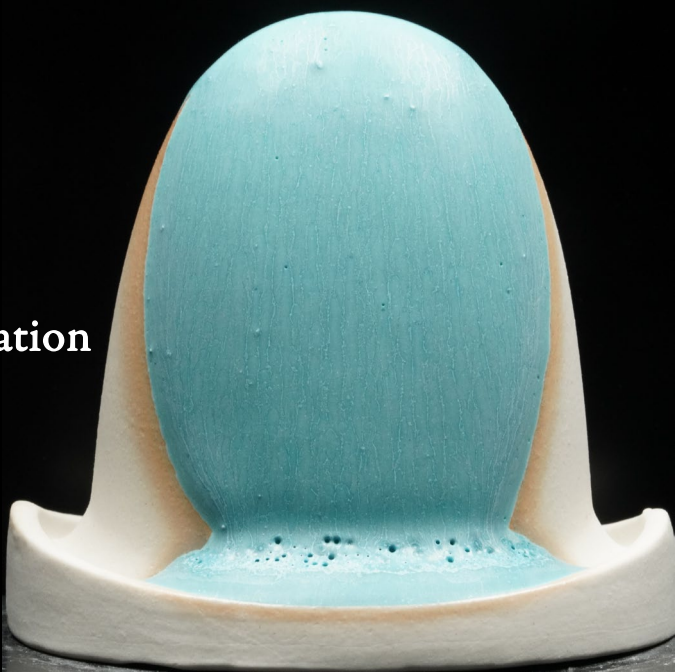
Ceramic
Materials
Workshop

Katz Matte

Neph Sy	39.67
Strontium Carb	32.75
EPK	11.94
Flint	8.23
Copper Carbonate	3.68
Tin Oxide	4.59
Water	60

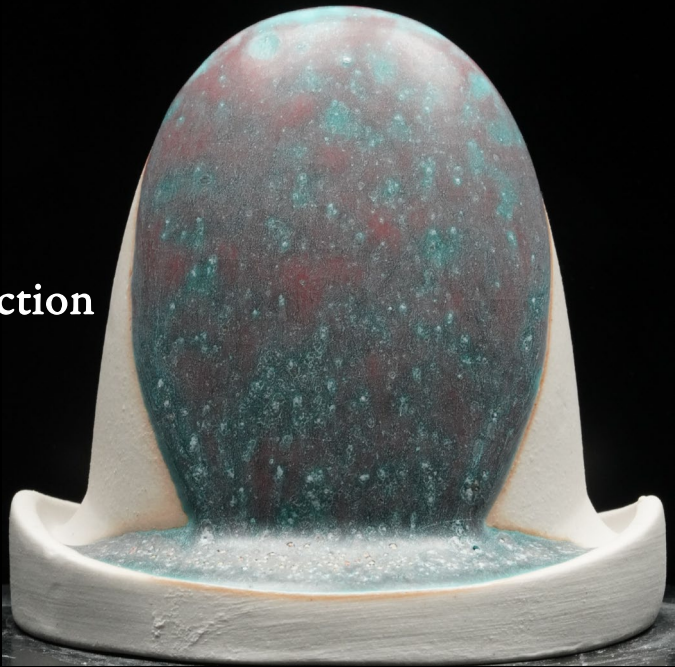


1-3 Second Dip



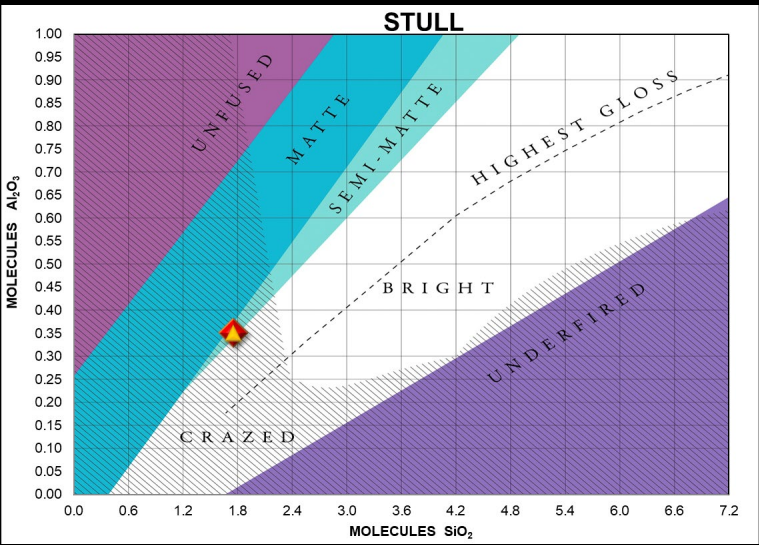
2-3 Second Dips

Oxidation



Reduction

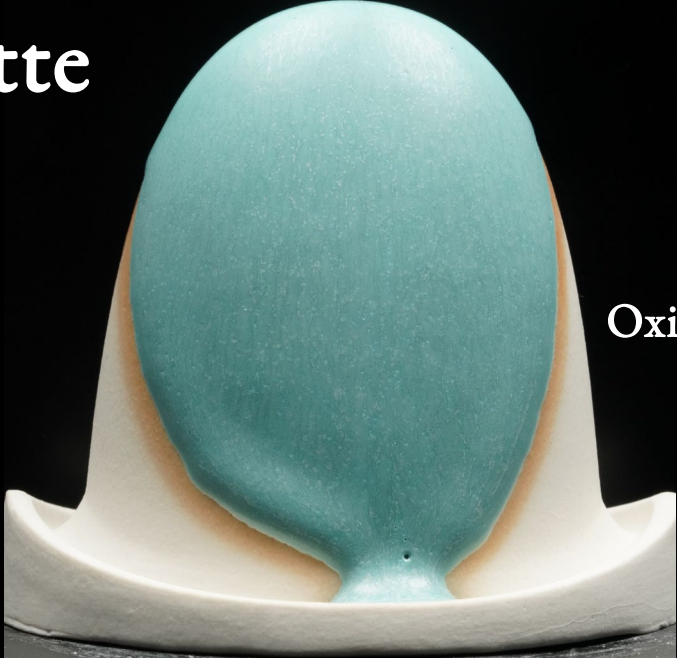
SiO ₂ :Al ₂ O ₃ Ratio 5.00 : 1		Alkali Metals 0.38		Alkaline Earths 0.62	
SiO ₂ 1.76	Collective "Al ₂ O ₃ " 0.35	Na ₂ O 0.18	K ₂ O 0.05	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.35	Li ₂ O	CuO 0.06	SrO 0.61	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂ 0.08	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Katz Matte

Neph Sy	37.91
Strontium Carb	31.30
EPK	11.41
Flint	7.87
Copper Carbonate	2.65
Ultrox (Zircopax)	8.85
Water	60



1-3 Second Dip



2-3 Second Dips

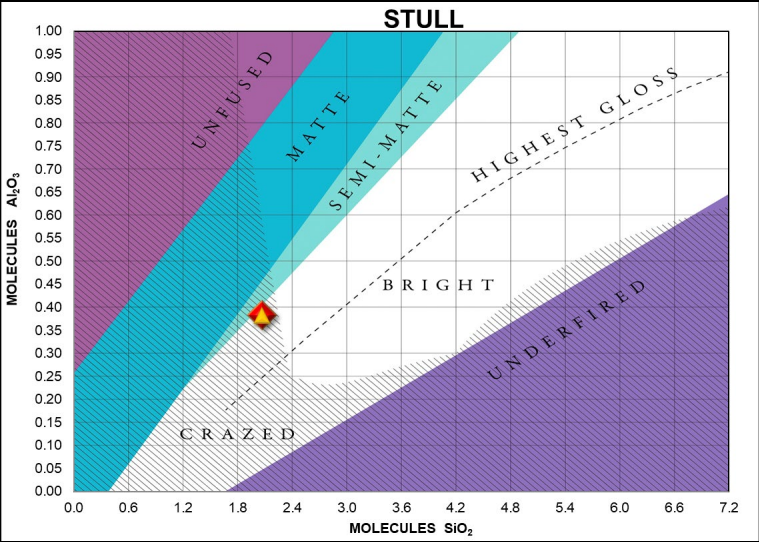


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 5.39 : 1		Alkali Metals 0.32		Alkaline Earths 0.68	
SiO ₂ 2.07	Collective "Al ₂ O ₃ " 0.38	Na ₂ O 0.20	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.38	Li ₂ O	CuO 0.07	SrO 0.66	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

Katz Matte

Neph Sy	39.30
Strontium Carb	32.45
EPK	11.83
Flint	8.16
Red Iron Oxide	5.50
Manganese Dioxide	2.75
Water	60



1-3 Second Dip



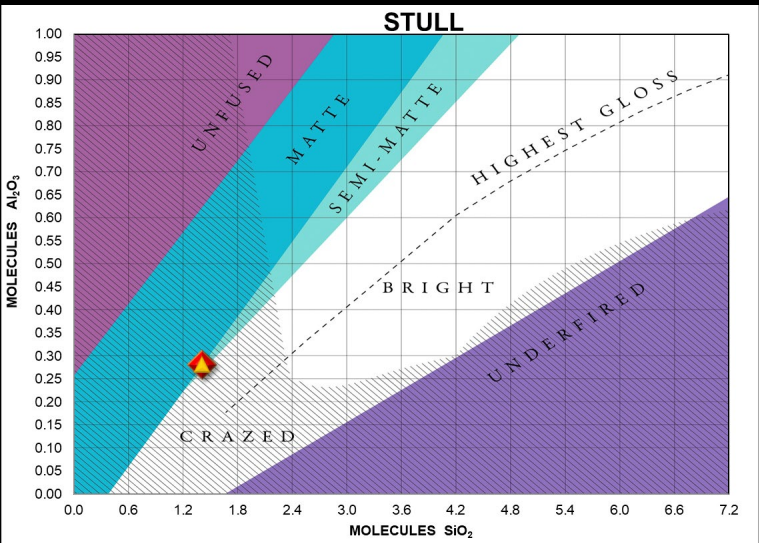
2-3 Second Dips

Oxidation



Reduction

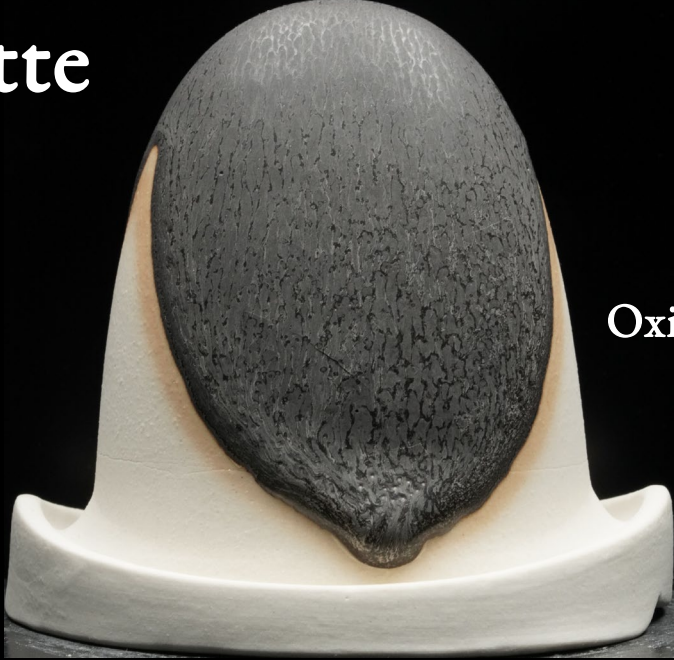
SiO ₂ :Al ₂ O ₃ Ratio 5.00 :1		Alkali Metals 0.19		Alkaline Earths 0.81	
SiO ₂ 1.41	Collective "Al ₂ O ₃ " 0.28	Na ₂ O 0.14	K ₂ O 0.04	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.28	Li ₂ O	CuO	SrO 0.49	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.25
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂ 0.07	CoO



Ceramic
Materials
Workshop

Katz Matte

Neph Sy	39.49
Strontium Carb	32.60
EPK	11.89
Flint	8.19
Red Iron Oxide	5.53
Nickel Carb (Green)	2.30
Water	60



1-3 Second Dip



2-3 Second Dips



Reduction

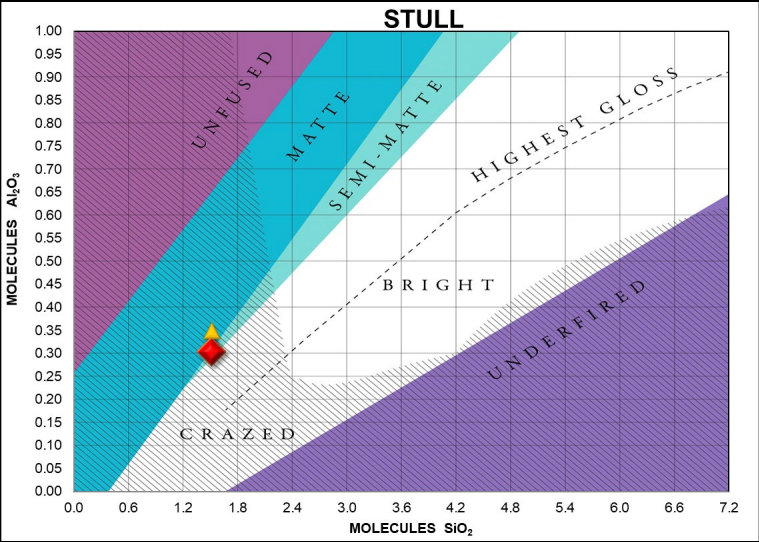


Reduction

Oxidation

Reduction

SiO ₂ :Al ₂ O ₃ Ratio 4.34 : 1		Alkali Metals 0.20		Alkaline Earths 0.80	
SiO ₂ 1.52	Collective "Al ₂ O ₃ " 0.35	Na ₂ O 0.16	K ₂ O 0.04	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.30	Li ₂ O	CuO	SrO 0.52	BaO
TiO ₂ 0.00	NiO 0.05	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.27
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Katz Matte

Neph Sy	38.25
Strontium Carb	31.58
EPK	11.51
Flint	7.94
Red Iron Oxide	5.36
Titanium Dioxide	5.36
Water	60



1-3 Second Dip



2-3 Second Dips



Reduction

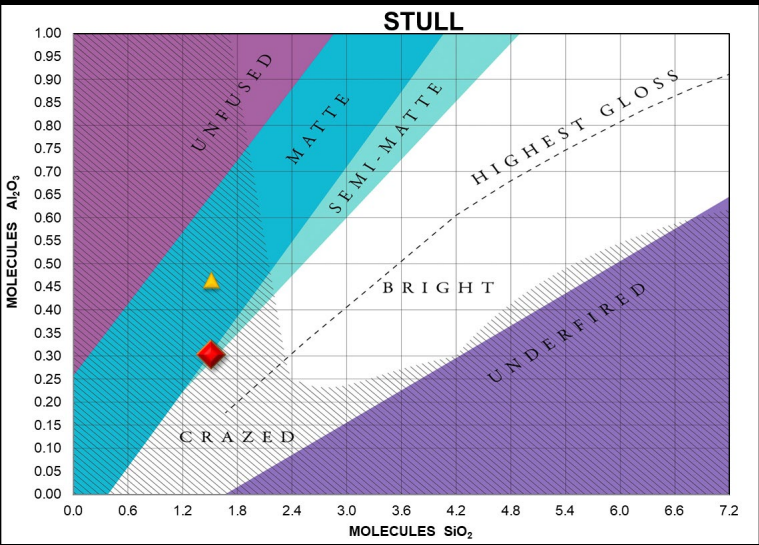


Reduction

Oxidation

Reduction

SiO ₂ :Al ₂ O ₃ Ratio 3.26 : 1		Alkali Metals 0.20		Alkaline Earths 0.80	
SiO ₂ 1.52	Collective "Al ₂ O ₃ " 0.47	Na ₂ O 0.16	K ₂ O 0.04	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.30	Li ₂ O	CuO	SrO 0.52	BaO
TiO ₂ 0.16	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.27
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Katz Matte

Neph Sy	38.60
Strontium Carb	31.87
EPK	11.62
Flint	8.01
Red Iron Oxide	5.41
Tin Oxide	4.50
Water	60

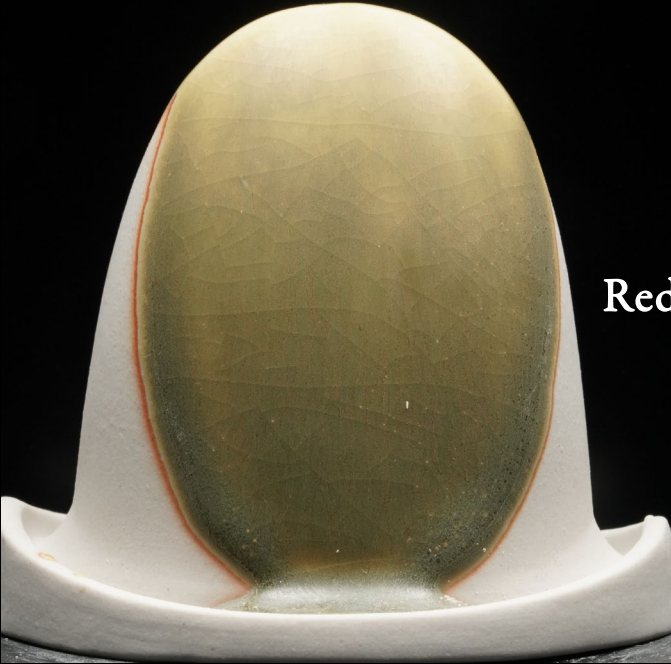


1-3 Second Dip



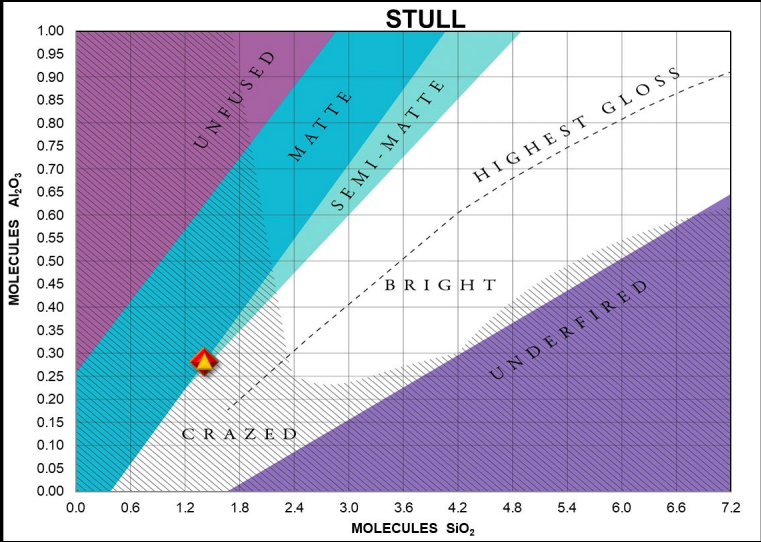
2-3 Second Dips

Oxidation



Reduction

SiO ₂ :Al ₂ O ₃ Ratio 5.00 :1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO ₂ 1.41	Collective "Al ₂ O ₃ " 0.28	Na ₂ O 0.15	K ₂ O 0.04	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.28	Li ₂ O	CuO	SrO 0.49	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂ 0.07	ZnO	FeO 0.25
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



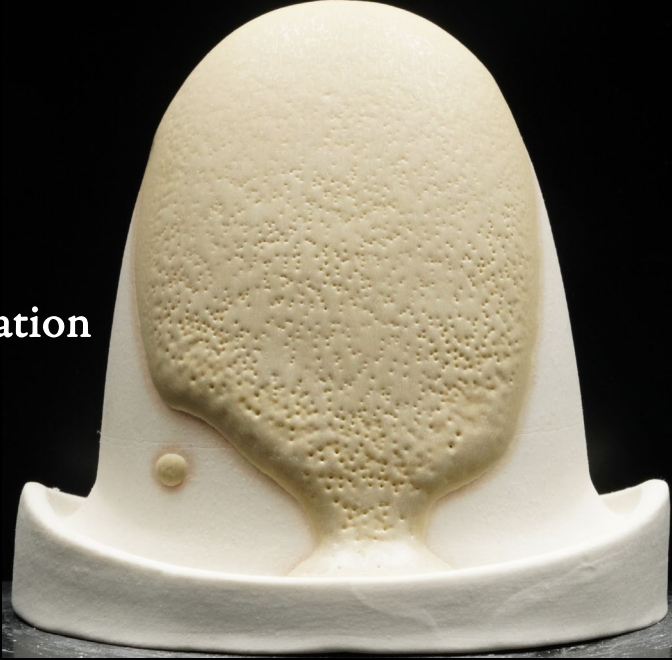
Ceramic
Materials
Workshop

Katz Matte

Neph Sy	36.93
Strontium Carb	30.49
EPK	11.12
Flint	7.66
Red Iron Oxide	5.17
Ultrox (Zircopax)	8.62
Water	60



1-3 Second Dip



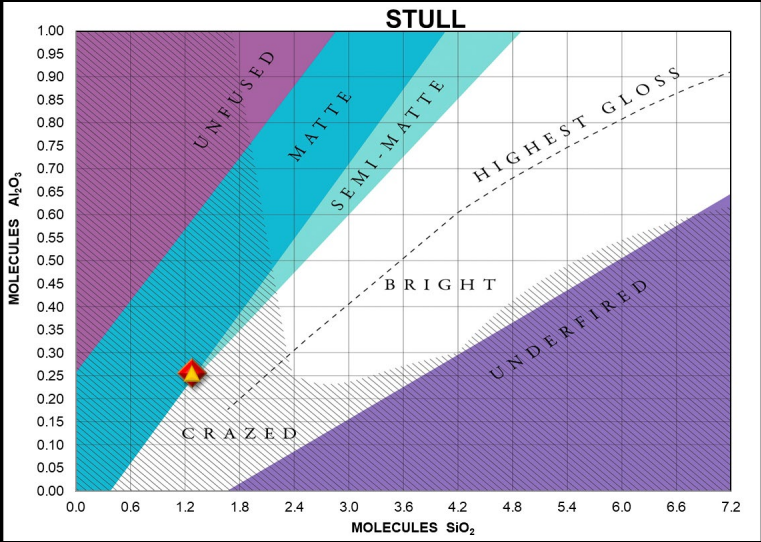
2-3 Second Dips

Oxidation



Reduction

SiO ₂ :Al ₂ O ₃ Ratio 5.00 : 1		Alkali Metals 0.17		Alkaline Earths 0.83	
SiO ₂ 1.28	Collective "Al ₂ O ₃ " 0.26	Na ₂ O 0.13	K ₂ O 0.04	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO	SrO 0.44	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.23
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.16



Ceramic
Materials
Workshop

Katz Matte

Neph Sy	40.61
Strontium Carb	33.53
EPK	12.22
Flint	8.43
Manganese Dioxide	2.84
Nickel Carb (Green)	2.37
Water	60



Oxidation

1-3 Second Dip



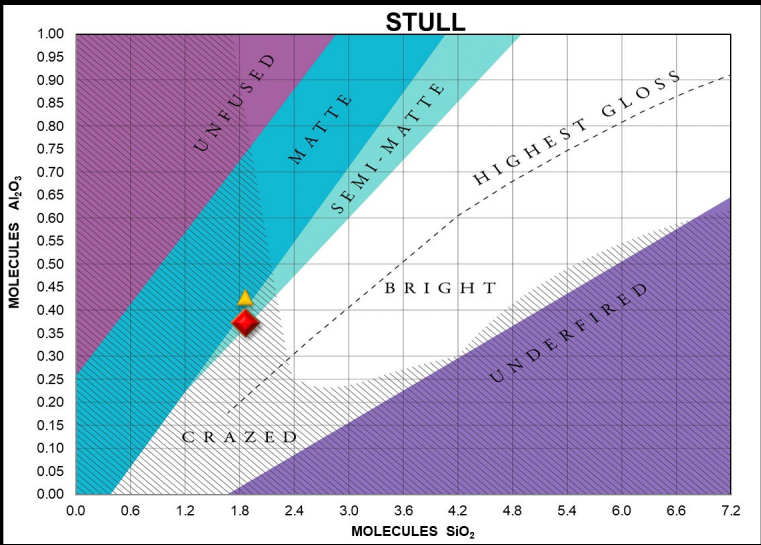
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 4.34 :1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO ₂ 1.87	Collective "Al ₂ O ₃ " 0.43	Na ₂ O 0.19	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.37	Li ₂ O	CuO	SrO 0.64	BaO
TiO ₂ 0.00	NiO 0.06	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂ 0.09	CoO



Ceramic
Materials
Workshop

Katz Matte

Neph Sy	39.30
Strontium Carb	32.45
EPK	11.83
Flint	8.16
Manganese Dioxide	2.75
Titanium Dioxide	5.50
Water	60



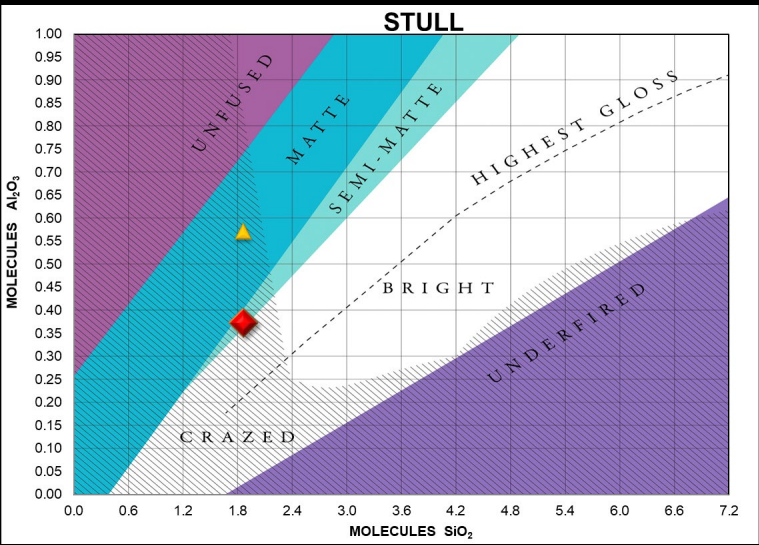
Oxidation



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 3.26 : 1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO ₂ 1.87	Collective "Al ₂ O ₃ " 0.57	Na ₂ O 0.19	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.37	Li ₂ O	CuO	SrO 0.64	BaO
TiO ₂ 0.20	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂ 0.09	CoO



Ceramic
Materials
Workshop

Katz Matte

Neph Sy	39.67
Strontium Carb	32.75
EPK	11.94
Flint	8.23
Manganese Dioxide	2.78
Tin Oxide	4.63
Water	60



1-3 Second Dip



2-3 Second Dips

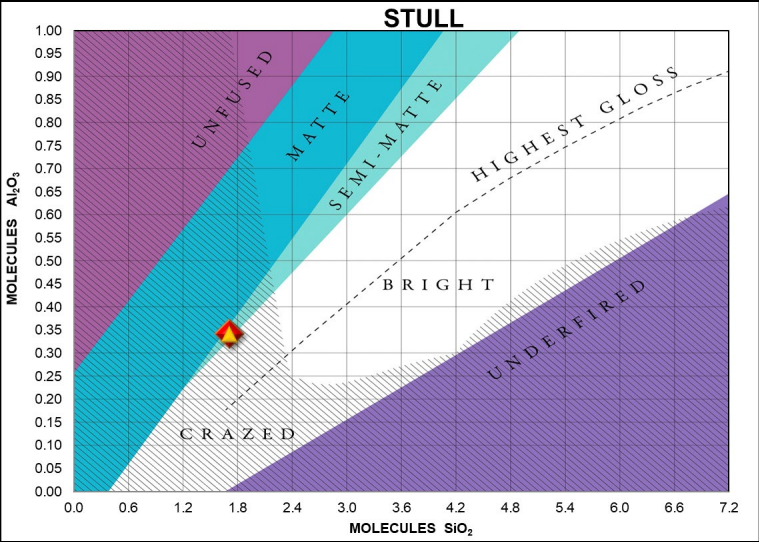


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 5.00 :1		Alkali Metals 0.31		Alkaline Earths 0.69	
SiO ₂ 1.71	Collective "Al ₂ O ₃ " 0.34	Na ₂ O 0.18	K ₂ O 0.05	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.34	Li ₂ O	CuO	SrO 0.59	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂ 0.08	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂ 0.09	CoO



Ceramic
Materials
Workshop

Katz Matte

Neph Sy	37.91
Strontium Carb	31.30
EPK	11.41
Flint	7.87
Manganese Dioxide	2.65
Ultrox (Zircopax)	8.85
Water	60



1-3 Second Dip



2-3 Second Dips

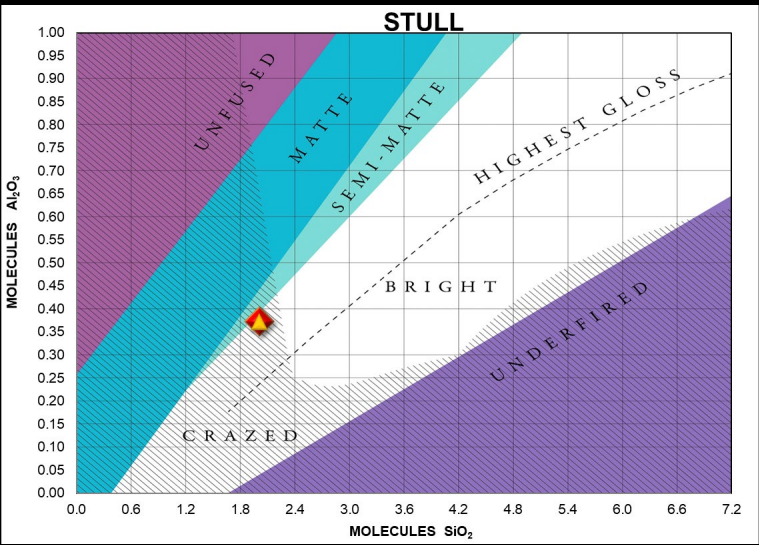


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 5.39 : 1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO ₂ 2.01	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.19	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.37	Li ₂ O	CuO	SrO 0.64	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 0.09	CoO



Ceramic
Materials
Workshop

Katz Matte

Neph Sy	39.49
Strontium Carb	32.60
EPK	11.89
Flint	8.19
Nickel Carb (Green)	2.30
Titanium Dioxide	5.53
Water	160



1-3 Second Dip



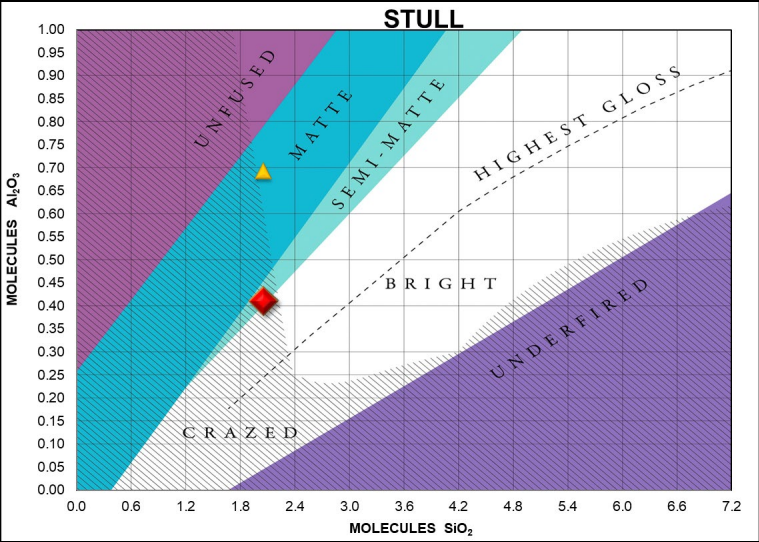
2-3 Second Dips



Oxidation

Reduction

SiO ₂ :Al ₂ O ₃ Ratio 2.96 : 1		Alkali Metals 0.27		Alkaline Earths 0.73	
SiO ₂ 2.06	Collective "Al ₂ O ₃ " 0.69	Na ₂ O 0.21	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.41	Li ₂ O	CuO	SrO 0.71	BaO
TiO ₂ 0.22	NiO 0.06	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

Katz Matte

Neph Sy	39.49
Strontium Carb	32.60
EPK	11.89
Flint	8.19
Nickel Carb (Green)	2.30
Tin Oxide	4.65
Water	60



1-3 Second Dip



2-3 Second Dips

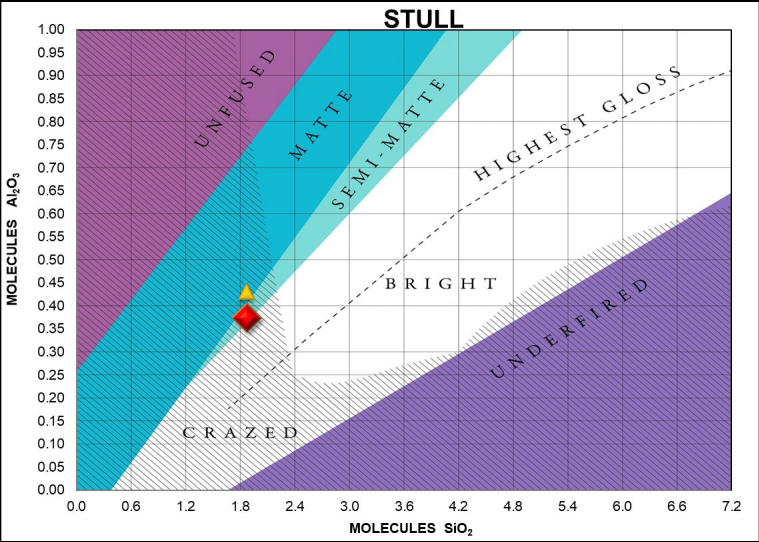


Reduction



Oxidation

SiO ₂ :Al ₂ O ₃ Ratio 4.34 : 1		Alkali Metals 0.34		Alkaline Earths 0.66	
SiO ₂ 1.87	Collective "Al ₂ O ₃ " 0.43	Na ₂ O 0.19	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.37	Li ₂ O	CuO	SrO 0.65	BaO
TiO ₂ 0.00	NiO 0.06	Bi ₂ O ₃	SnO ₂ 0.09	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Katz Matte

Neph Sy	38.08
Strontium Carb	31.44
EPK	11.46
Flint	7.90
Nickel Carb (Green)	2.22
Ultrox (Zircopax)	8.89
Water	60



1-3 Second Dip



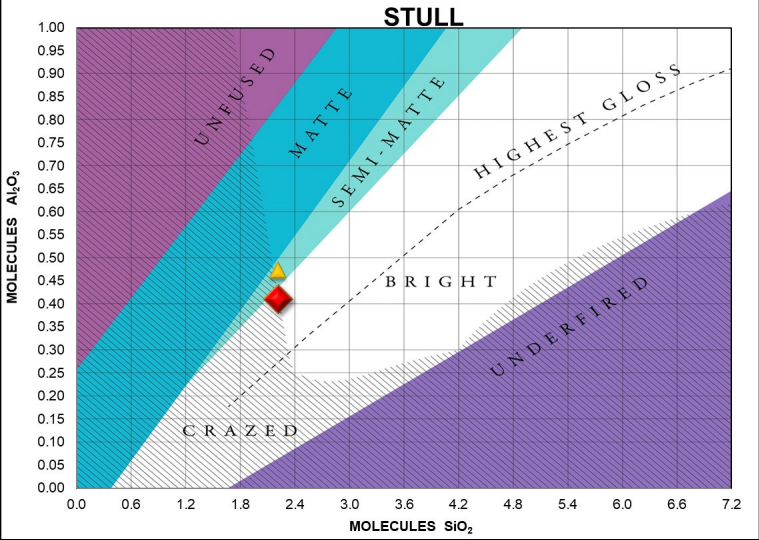
2-3 Second Dips



Reduction



SiO ₂ :Al ₂ O ₃ Ratio 4.68 :1		Alkali Metals 0.27		Alkaline Earths 0.73	
SiO ₂ 2.22	Collective "Al ₂ O ₃ " 0.47	Na ₂ O 0.21	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.41	Li ₂ O	CuO	SrO 0.71	BaO
TiO ₂ 0.00	NiO 0.06	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

Katz Matte

Neph Sy	38.60
Strontium Carb	31.87
EPK	11.62
Flint	8.01
Titanium Dioxide	5.41
Tin Oxide	4.50
Water	60



1-3 Second Dip



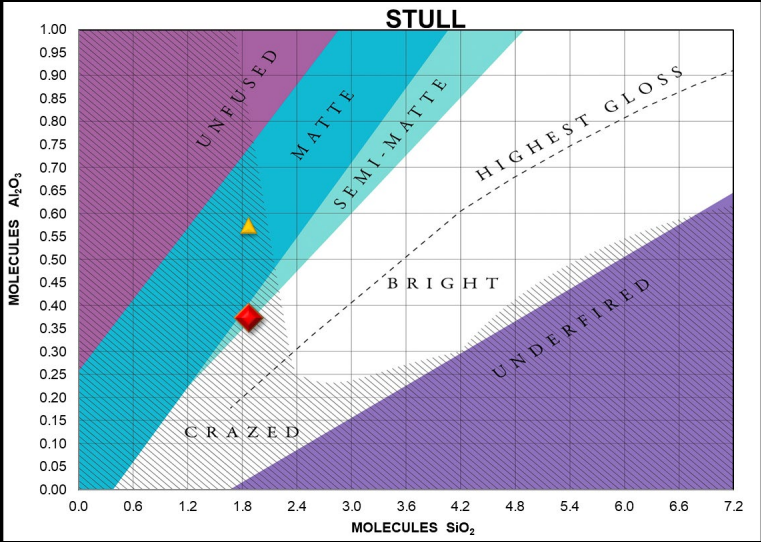
2-3 Second Dips

Oxidation



Reduction

SiO ₂ :Al ₂ O ₃ Ratio 3.26 : 1		Alkali Metals 0.34		Alkaline Earths 0.66	
SiO ₂ 1.87	Collective "Al ₂ O ₃ " 0.57	Na ₂ O 0.19	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.37	Li ₂ O	CuO	SrO 0.65	BaO
TiO ₂ 0.20	NiO	Bi ₂ O ₃	SnO ₂ 0.09	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Katz Matte

Neph Sy	36.93
Strontium Carb	30.49
EPK	11.12
Flint	7.66
Titanium Dioxide	5.17
Ultrox (Zircopax)	8.62
Water	60



1-3 Second Dip



2-3 Second Dips

Oxidation



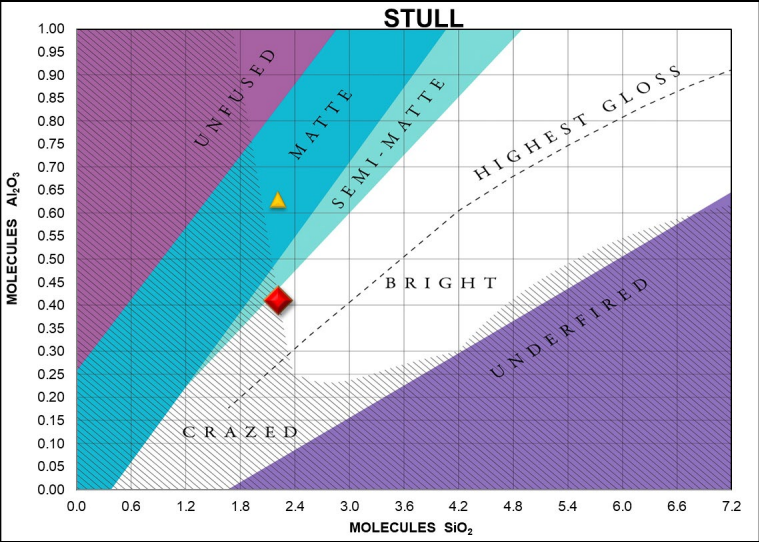
1-3 Second Dip



2-3 Second Dips

Reduction

SiO ₂ :Al ₂ O ₃ Ratio 3.51 : 1		Alkali Metals 0.27		Alkaline Earths 0.73	
SiO ₂ 2.22	Collective "Al ₂ O ₃ " 0.63	Na ₂ O 0.21	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.41	Li ₂ O	CuO	SrO 0.71	BaO
TiO ₂ 0.22	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

Katz Matte

Neph Sy	37.25
Strontium Carb	30.76
EPK	11.21
Flint	7.73
Tin Oxide	4.35
Ultrox (Zircopax)	8.70
Water	90



1-3 Second Dip



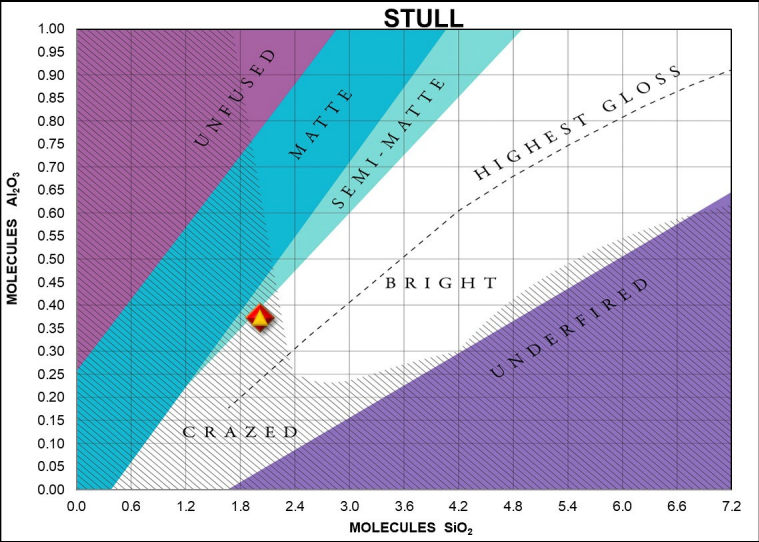
2-3 Second Dips

Oxidation



Reduction

SiO ₂ :Al ₂ O ₃ Ratio 5.39 : 1		Alkali Metals 0.34		Alkaline Earths 0.66	
SiO ₂ 2.02	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.19	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.37	Li ₂ O	CuO	SrO 0.65	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂ 0.09	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop