

Glassy Eyed- Δ 6

Lab 5a-Color Wheel

Glassy Eyed

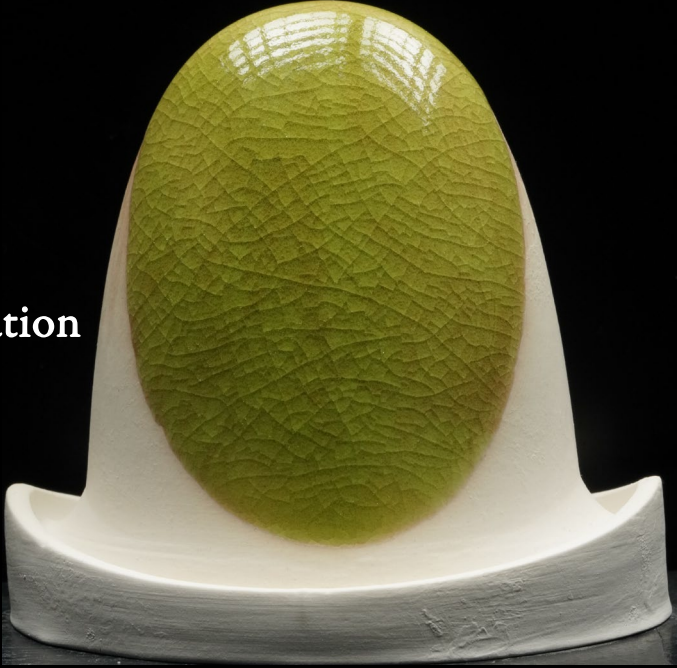
Original

070422-1

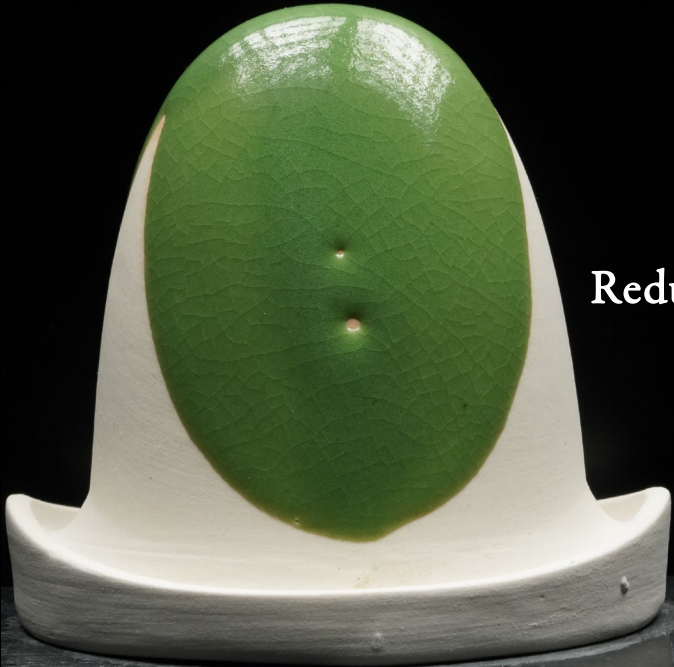
G200 EU	25.52
Strontium Carb	20.75
EPK	19.81
Flint	26.41
3134	15.28
Chrome Oxide	0.33
Water	60



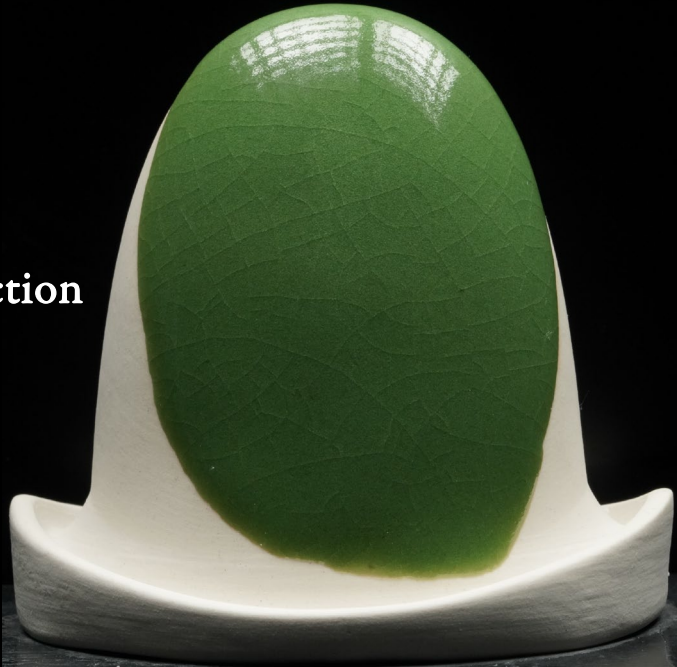
1-3 Second Dip



2-3 Second Dips



Reduction

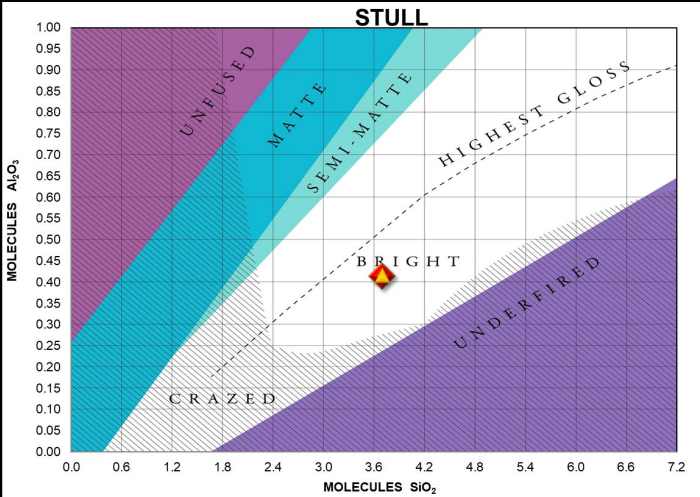


Reduction

Oxidation

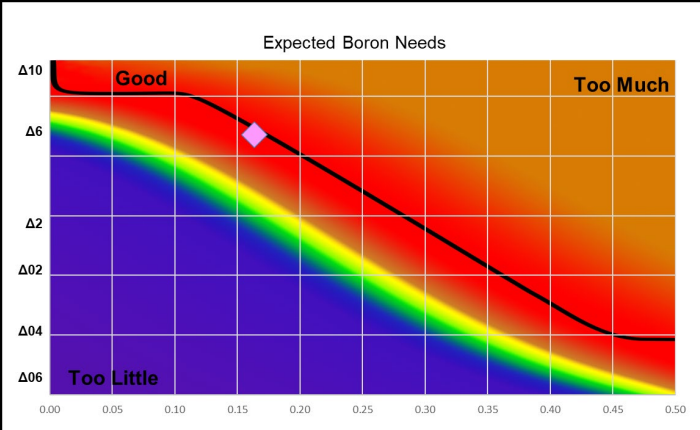
UMF

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



EUMF

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



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Chrome Oxide

0.5%

Oxidation

Reduction

1-3 Second Dip

2-3 Second Dips

1-3 Second Dip

2-3 Second Dips

2%



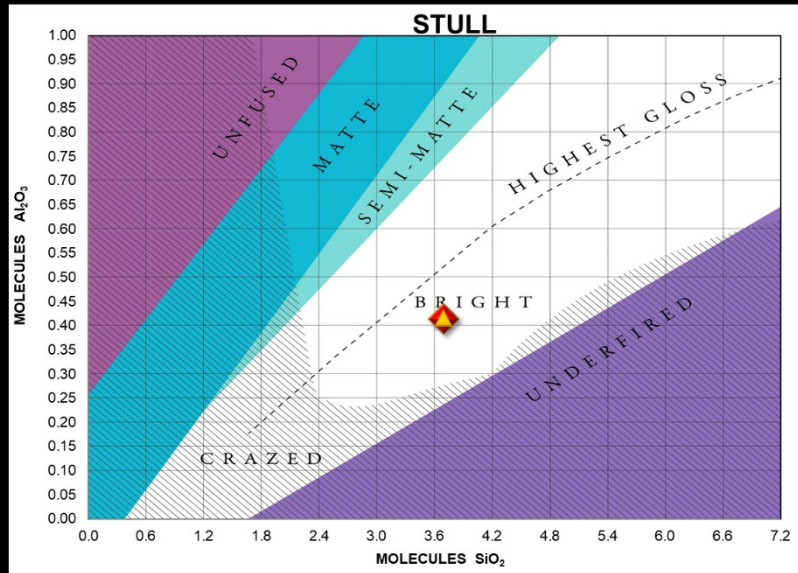
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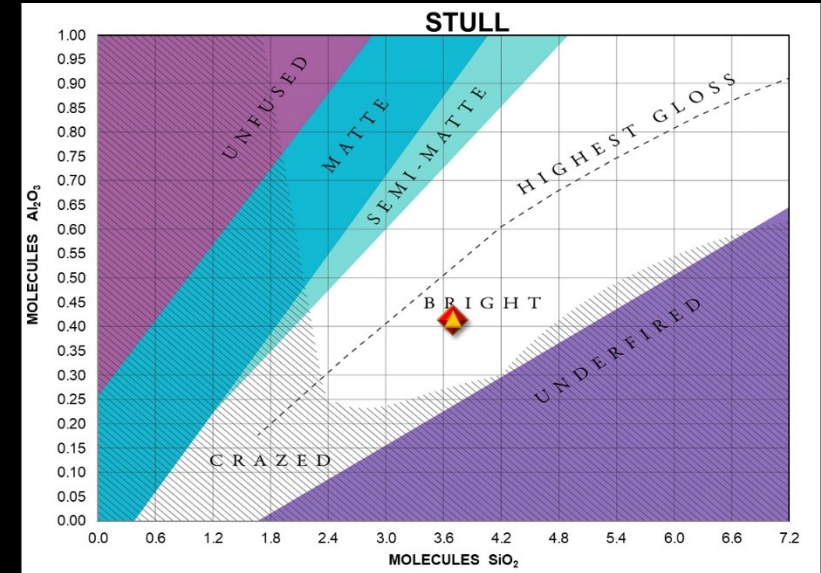
Chrome Oxide

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

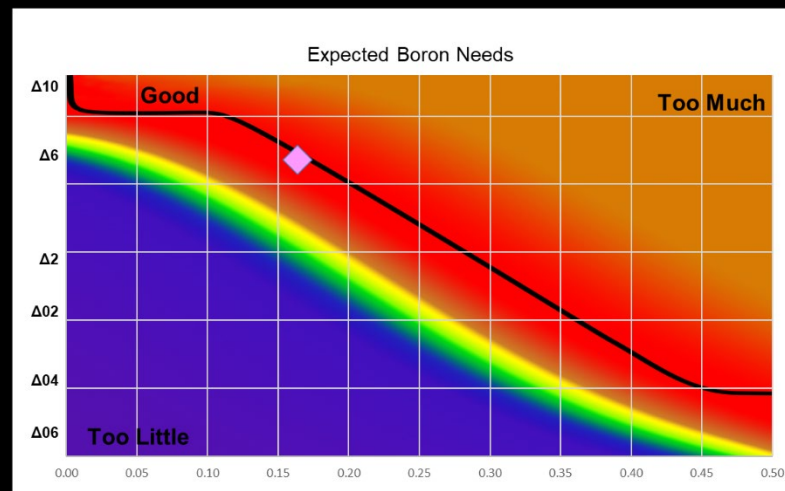


0.5%

SiO ₂ :Al ₂ O ₃ Ratio 8.87 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.70	Collective "Al ₂ O ₃ " 0.42	Na ₂ O 0.13	K ₂ O 0.11	MgO 0.00	CaO 0.23
B ₂ O ₃ 0.16	Al ₂ O ₃ 0.41	Li ₂ O	CuO	SrO 0.52	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃ 0.05	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



2%



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Cobalt Carbonate

0.5%

Oxidation

Reduction

1-3 Second Dip

2-3 Second Dips

1-3 Second Dip

2-3 Second Dips

2%



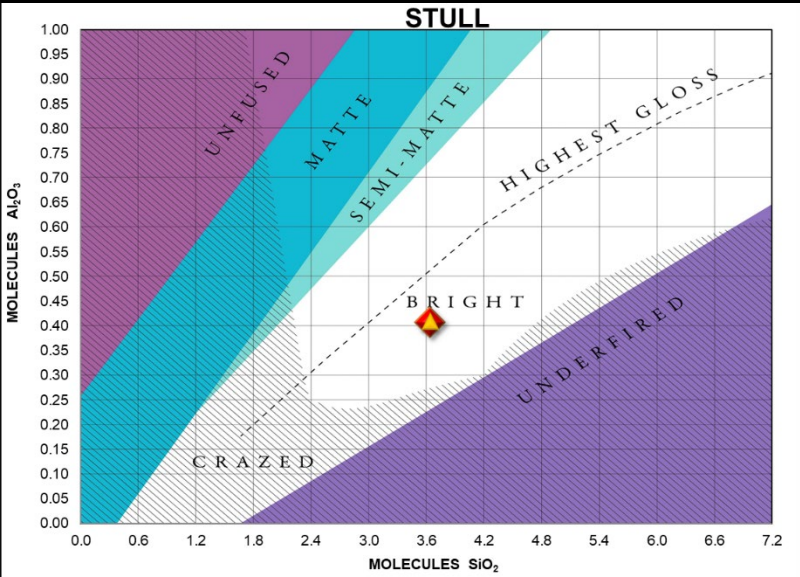
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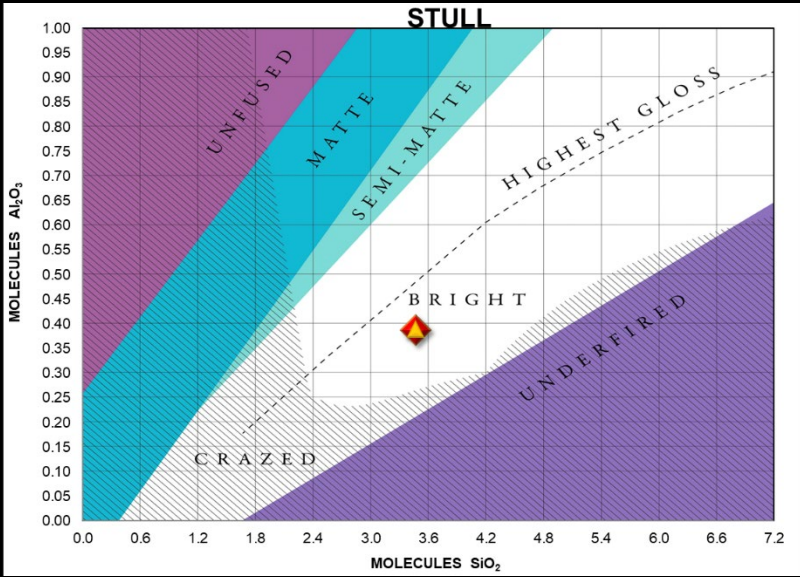
Cobalt Carbonate

SiO ₂ :Al ₂ O ₃ Ratio 8.87 :1		Alkali Metals 0.23		Alkaline Earths 0.77	
SiO ₂ 3.64	Collective "Al ₂ O ₃ " 0.41	Na ₂ O 0.12	K ₂ O 0.11	MgO 0.00	CaO 0.22
B ₂ O ₃ 0.16	Al ₂ O ₃ 0.41	Li ₂ O	CuO	SrO 0.51	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

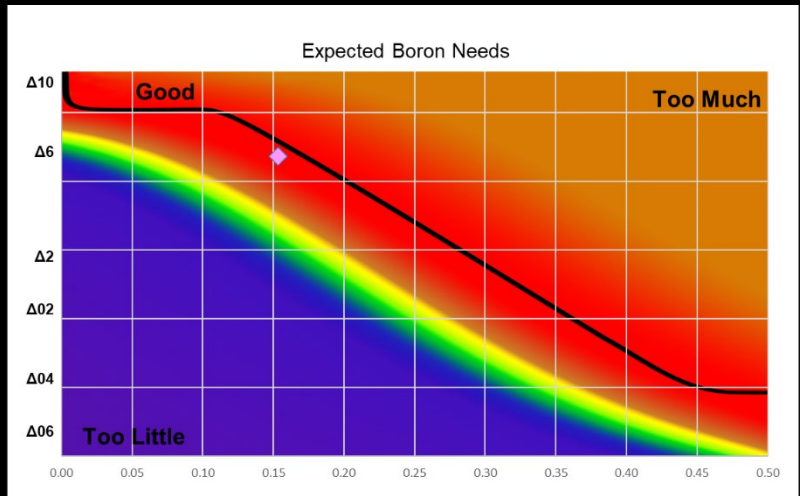
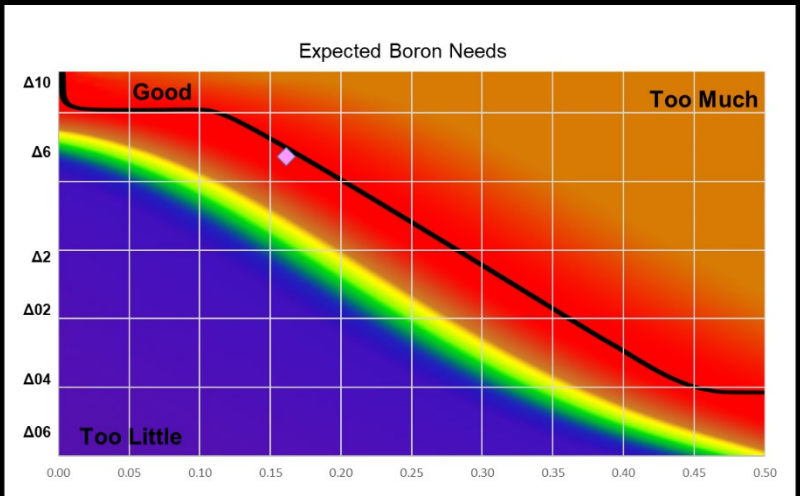


0.5%

SiO ₂ :Al ₂ O ₃ Ratio 8.87 :1		Alkali Metals 0.22		Alkaline Earths 0.78	
SiO ₂ 3.47	Collective "Al ₂ O ₃ " 0.39	Na ₂ O 0.12	K ₂ O 0.11	MgO 0.00	CaO 0.21
B ₂ O ₃ 0.15	Al ₂ O ₃ 0.39	Li ₂ O	CuO	SrO 0.48	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 0.06



2%



Cobalt Oxide

0.5%

Oxidation

Reduction

1-3 Second Dip

2-3 Second Dips

1-3 Second Dip

2-3 Second Dips

2%



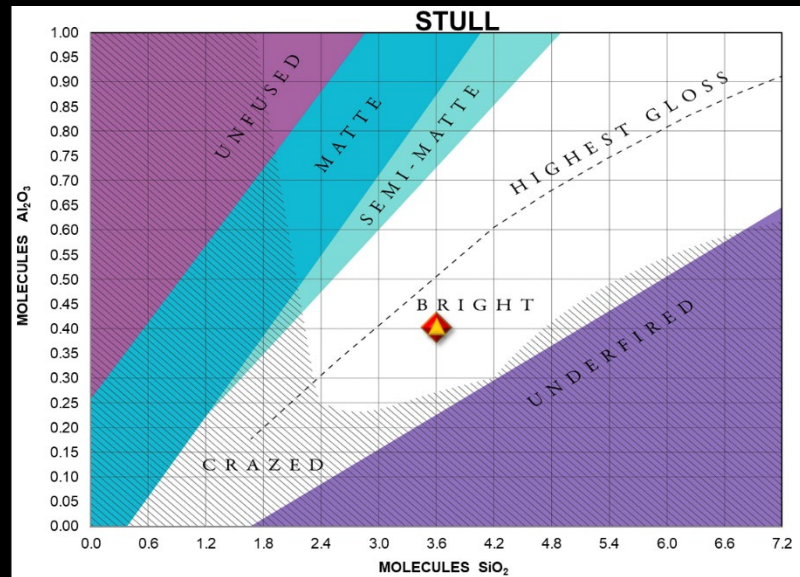
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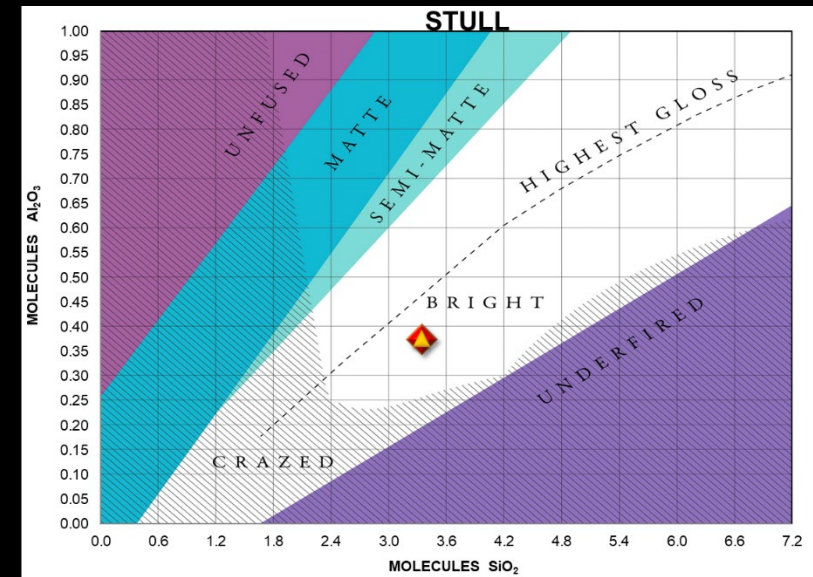
Cobalt Oxide

SiO ₂ :Al ₂ O ₃ Ratio 8.87 :1		Alkali Metals 0.23		Alkaline Earths 0.77	
SiO ₂ 3.60	Collective "Al ₂ O ₃ " 0.41	Na ₂ O 0.12	K ₂ O 0.11	MgO 0.00	CaO 0.22
B ₂ O ₃ 0.16	Al ₂ O ₃ 0.40	Li ₂ O	CuO	SrO 0.50	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.03

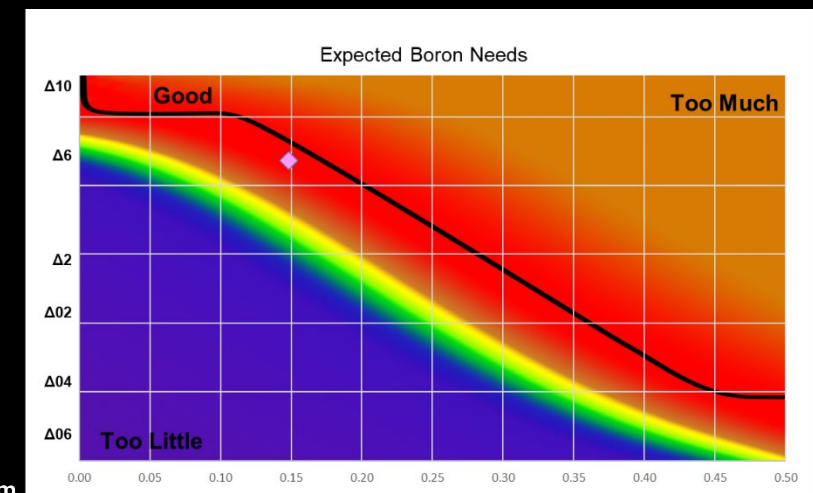
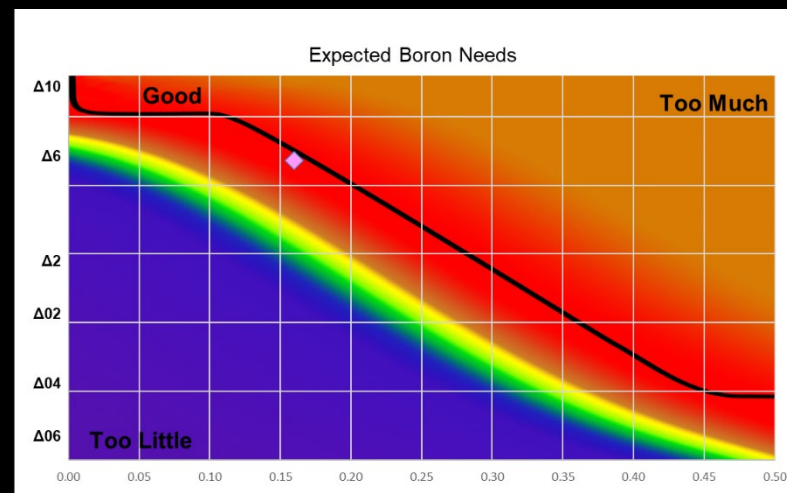


0.5%

SiO ₂ :Al ₂ O ₃ Ratio 8.87 :1		Alkali Metals 0.21		Alkaline Earths 0.79	
SiO ₂ 3.35	Collective "Al ₂ O ₃ " 0.38	Na ₂ O 0.11	K ₂ O 0.10	MgO 0.00	CaO 0.21
B ₂ O ₃ 0.15	Al ₂ O ₃ 0.37	Li ₂ O	CuO	SrO 0.47	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 0.10



2%



Copper Carbonate

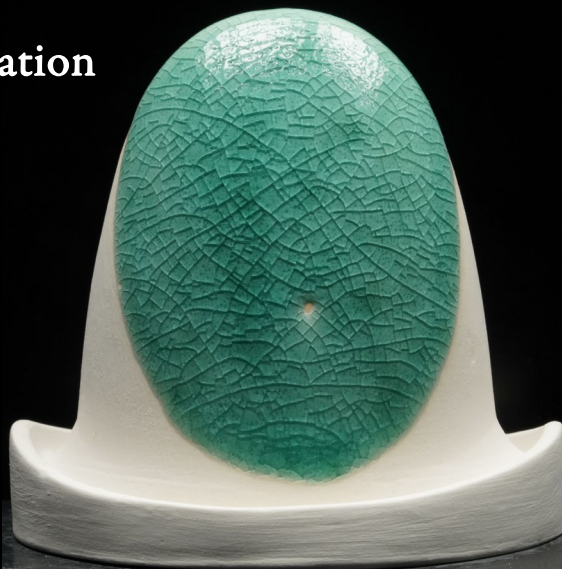
Oxidation

Reduction

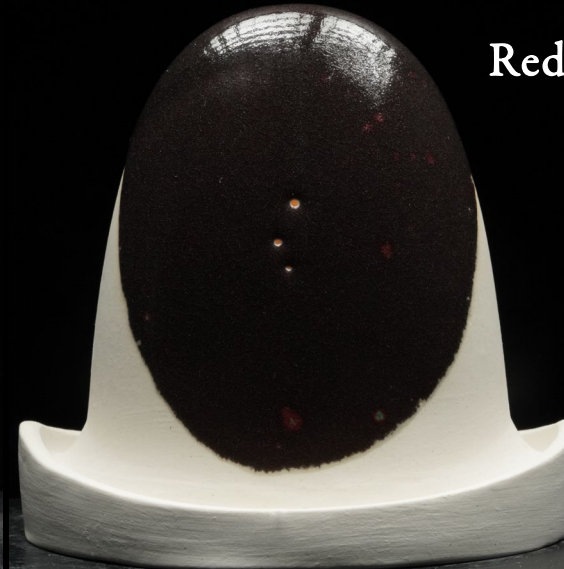
1%



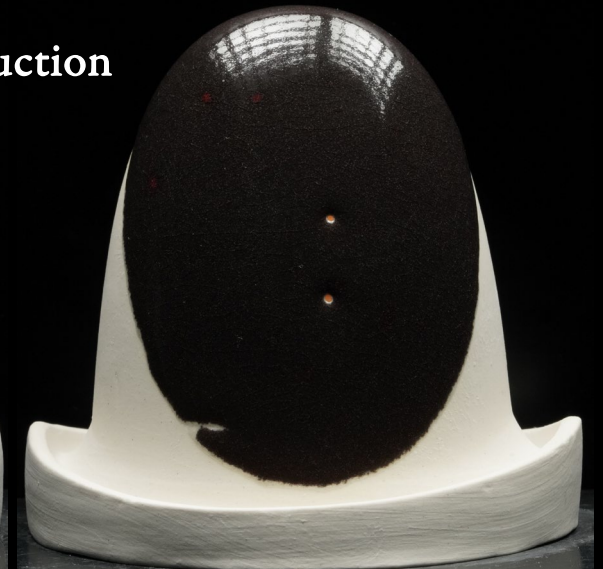
1-3 Second Dip



2-3 Second Dips



1-3 Second Dip



2-3 Second Dips

4%



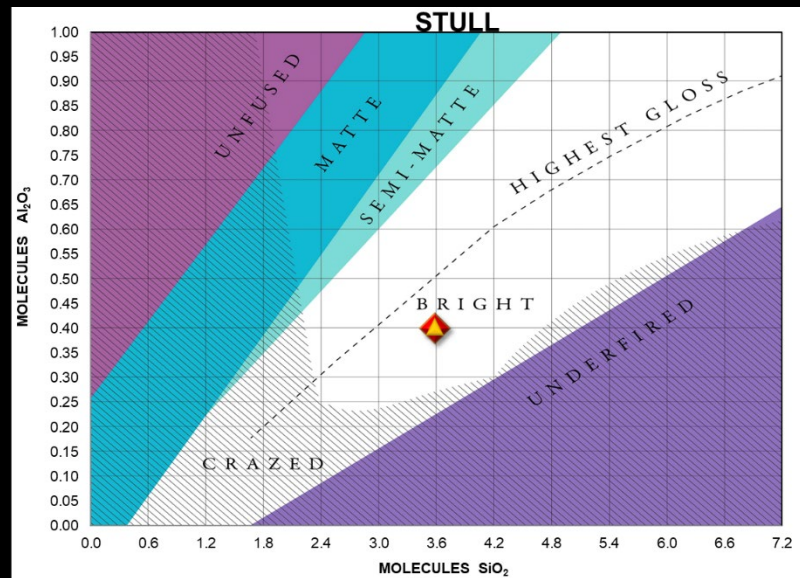
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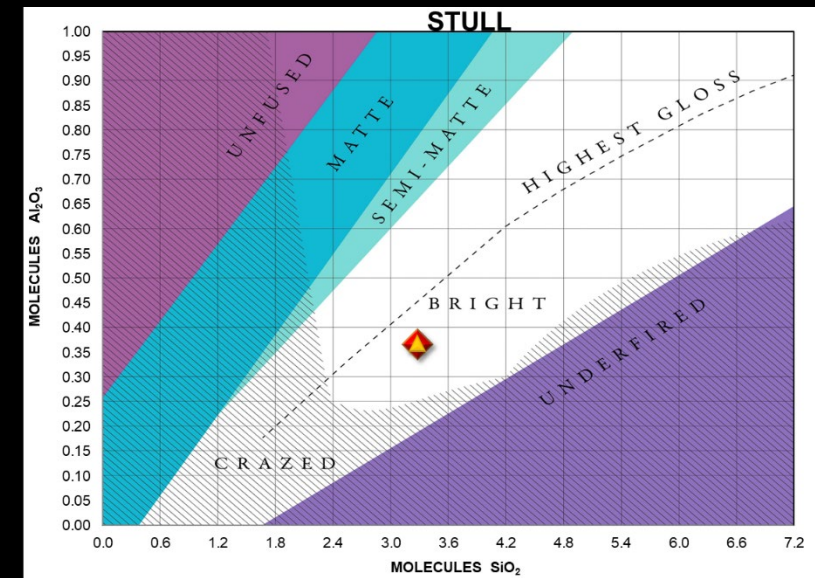
Copper Carbonate

SiO ₂ :Al ₂ O ₃ Ratio 8.87 :1		Alkali Metals 0.26		Alkaline Earths 0.74	
SiO ₂ 3.58	Collective "Al ₂ O ₃ " 0.40	Na ₂ O 0.12	K ₂ O 0.11	MgO 0.00	CaO 0.22
B ₂ O ₃ 0.16	Al ₂ O ₃ 0.40	Li ₂ O	CuO 0.03	SrO 0.50	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO

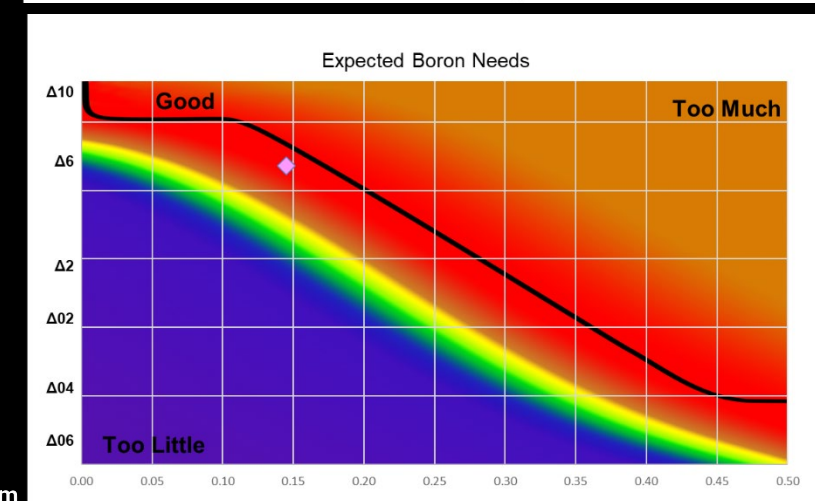
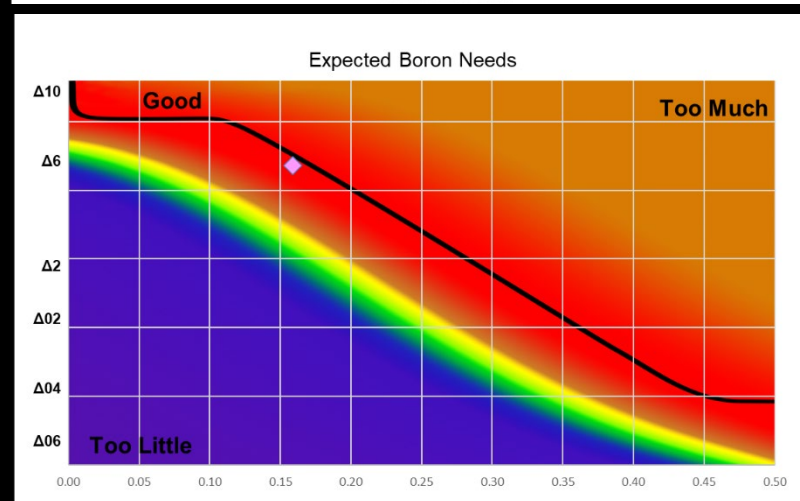


1%

SiO ₂ :Al ₂ O ₃ Ratio 8.87 :1		Alkali Metals 0.32		Alkaline Earths 0.68	
SiO ₂ 3.28	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.11	K ₂ O 0.10	MgO 0.00	CaO 0.20
B ₂ O ₃ 0.15	Al ₂ O ₃ 0.37	Li ₂ O	CuO 0.11	SrO 0.46	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



4%



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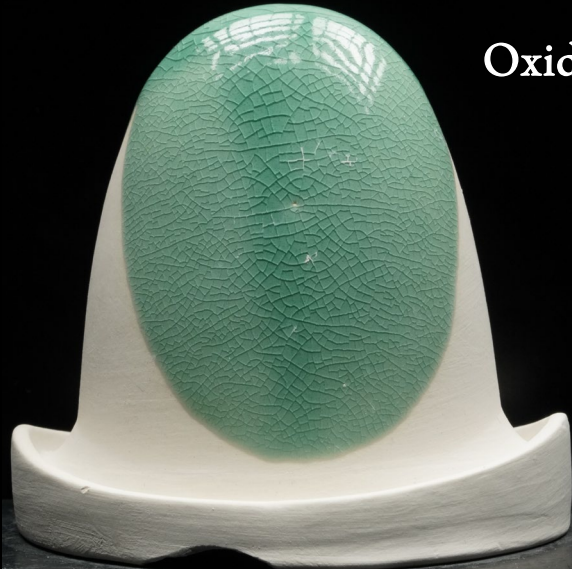
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Copper Oxide-Black

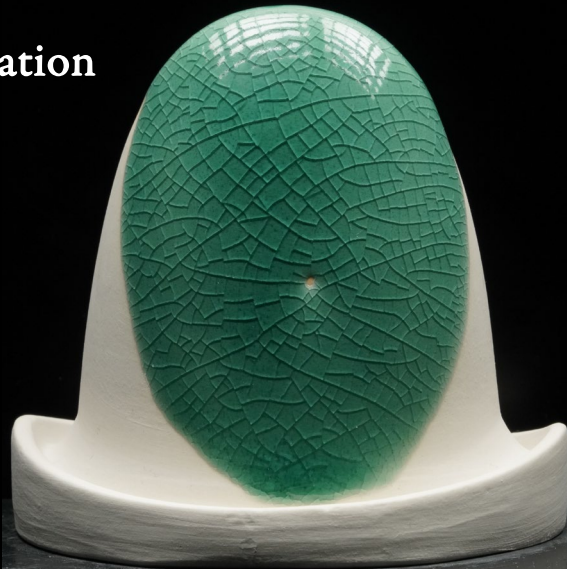
Oxidation

Reduction

1%



1-3 Second Dip



2-3 Second Dips

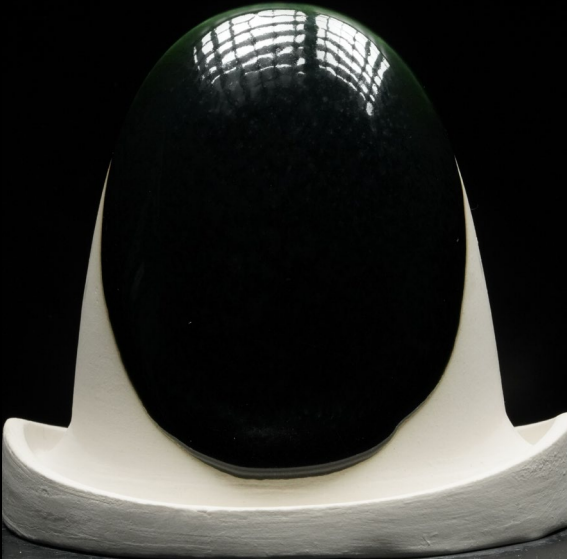


1-3 Second Dip



2-3 Second Dips

4%



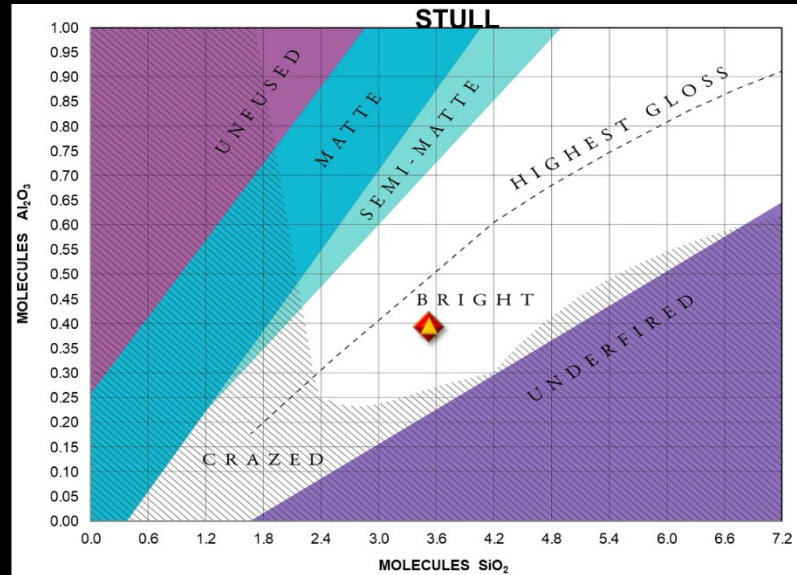
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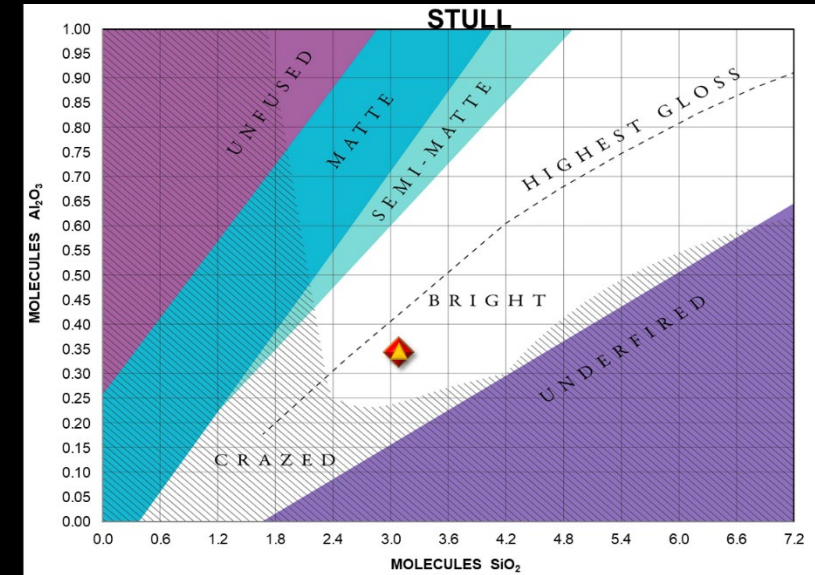
Copper Oxide-Black

SiO ₂ :Al ₂ O ₃ Ratio 8.87 :1		Alkali Metals 0.27		Alkaline Earths 0.73	
SiO ₂ 3.52	Collective "Al ₂ O ₃ " 0.40	Na ₂ O 0.12	K ₂ O 0.11	MgO 0.00	CaO 0.22
B ₂ O ₃ 0.16	Al ₂ O ₃ 0.39	Li ₂ O	CuO 0.05	SrO 0.49	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

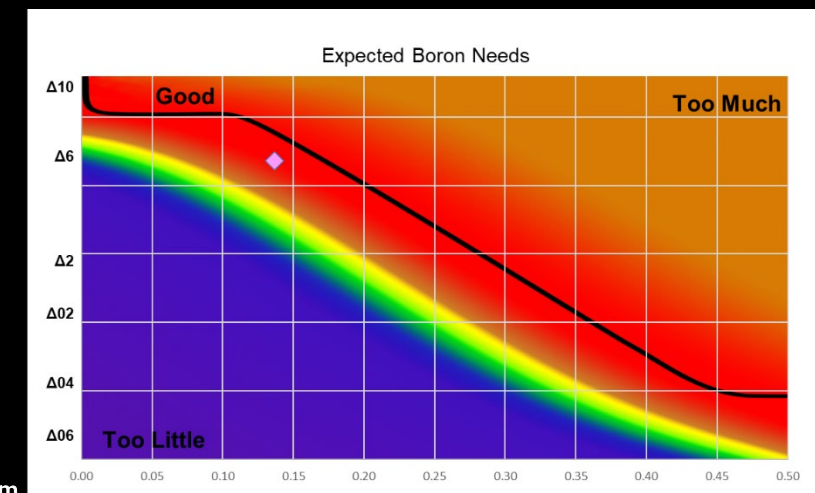


1%

SiO ₂ :Al ₂ O ₃ Ratio 8.87 :1		Alkali Metals 0.36		Alkaline Earths 0.64	
SiO ₂ 3.09	Collective "Al ₂ O ₃ " 0.35	Na ₂ O 0.10	K ₂ O 0.09	MgO 0.00	CaO 0.19
B ₂ O ₃ 0.14	Al ₂ O ₃ 0.34	Li ₂ O	CuO 0.17	SrO 0.43	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



4%



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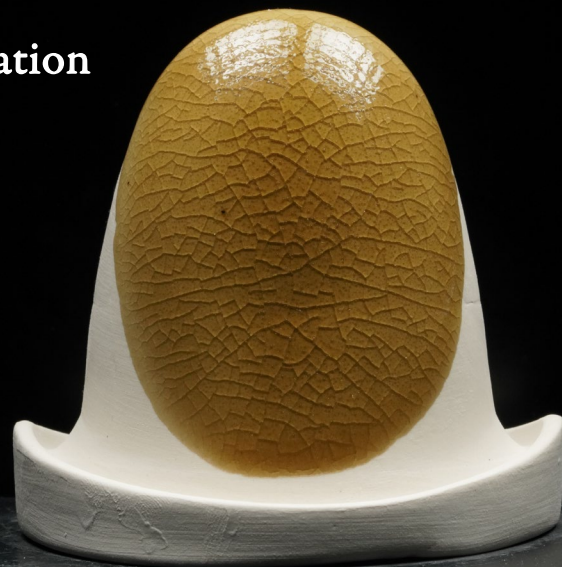
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Red Iron Oxide

Oxidation

Reduction

3%



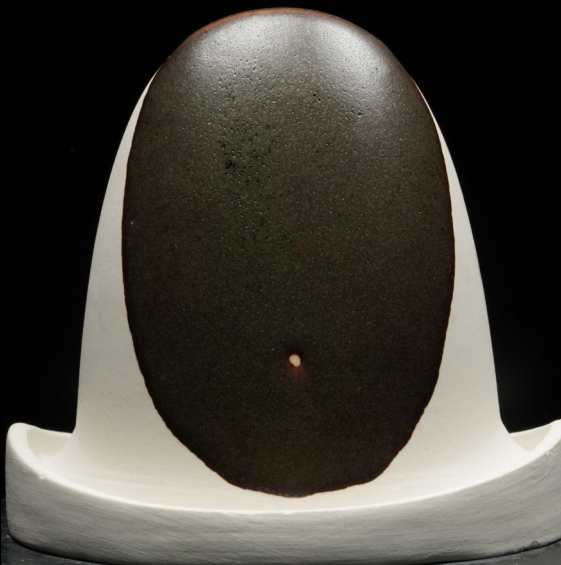
1-3 Second Dip

2-3 Second Dips

1-3 Second Dip

2-3 Second Dips

9%



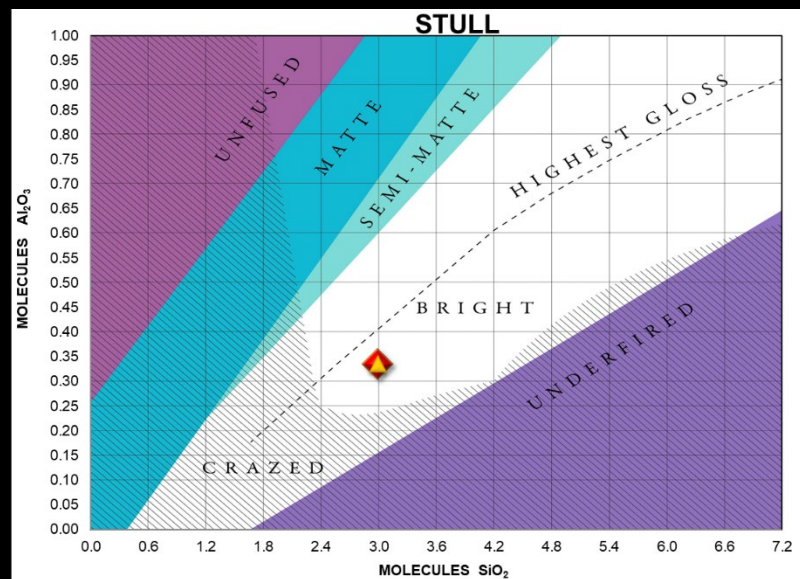
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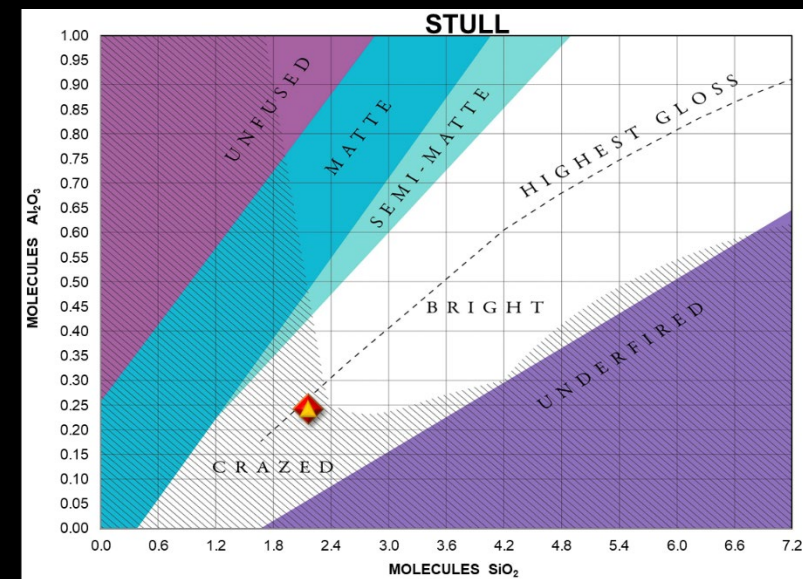
Red Iron Oxide

SiO ₂ :Al ₂ O ₃ Ratio 8.87 :1		Alkali Metals 0.19		Alkaline Earths 0.81	
SiO ₂ 2.99	Collective "Al ₂ O ₃ " 0.34	Na ₂ O 0.10	K ₂ O 0.09	MgO 0.00	CaO 0.18
B ₂ O ₃ 0.13	Al ₂ O ₃ 0.33	Li ₂ O	CuO	SrO 0.42	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.20
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO

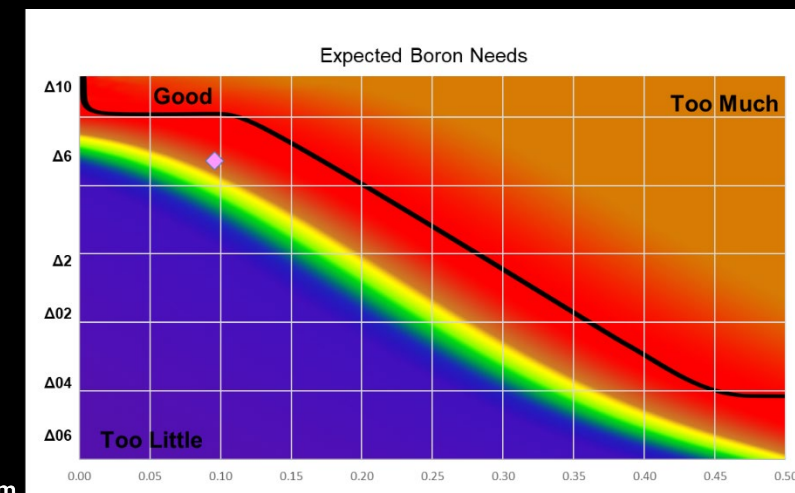


3%

SiO ₂ :Al ₂ O ₃ Ratio 8.87 :1		Alkali Metals 0.14		Alkaline Earths 0.86	
SiO ₂ 2.16	Collective "Al ₂ O ₃ " 0.24	Na ₂ O 0.07	K ₂ O 0.07	MgO 0.00	CaO 0.13
B ₂ O ₃ 0.10	Al ₂ O ₃ 0.24	Li ₂ O	CuO	SrO 0.30	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.42
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



9%



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Black Iron Oxide

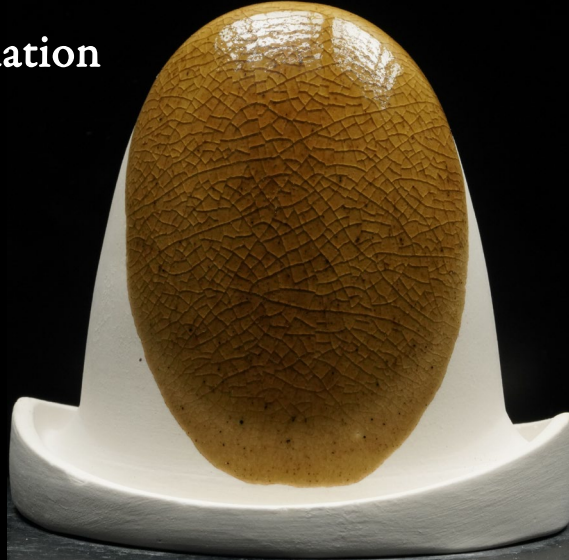
Oxidation

Reduction

3%



1-3 Second Dip



2-3 Second Dips

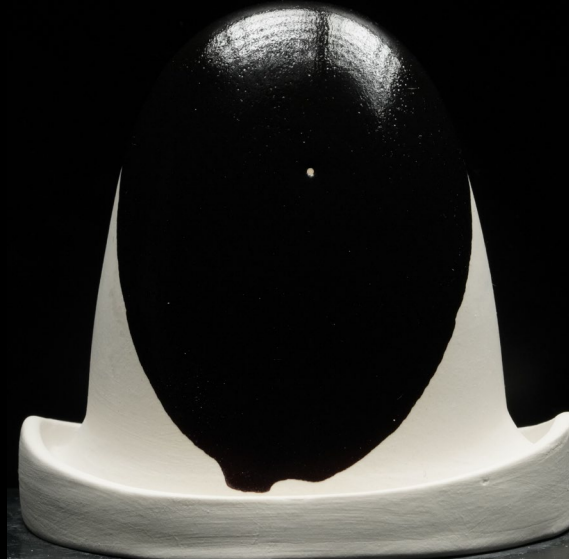


1-3 Second Dip



2-3 Second Dips

9%



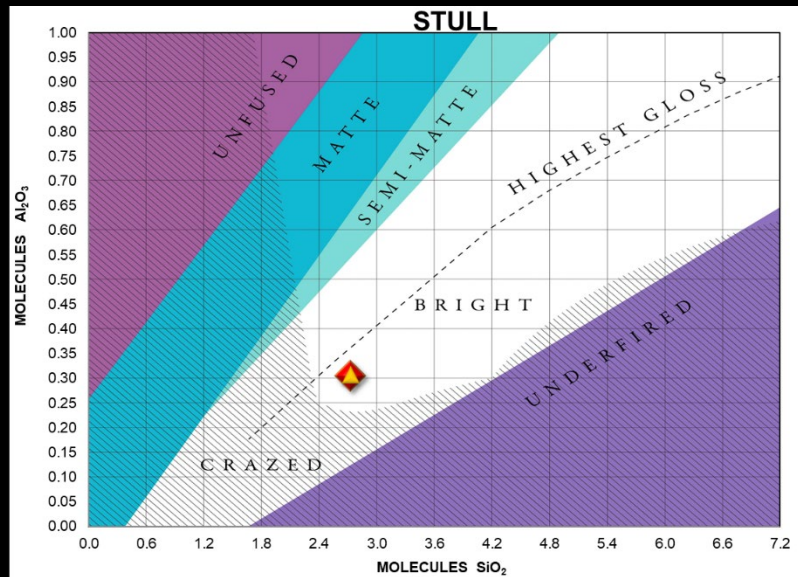
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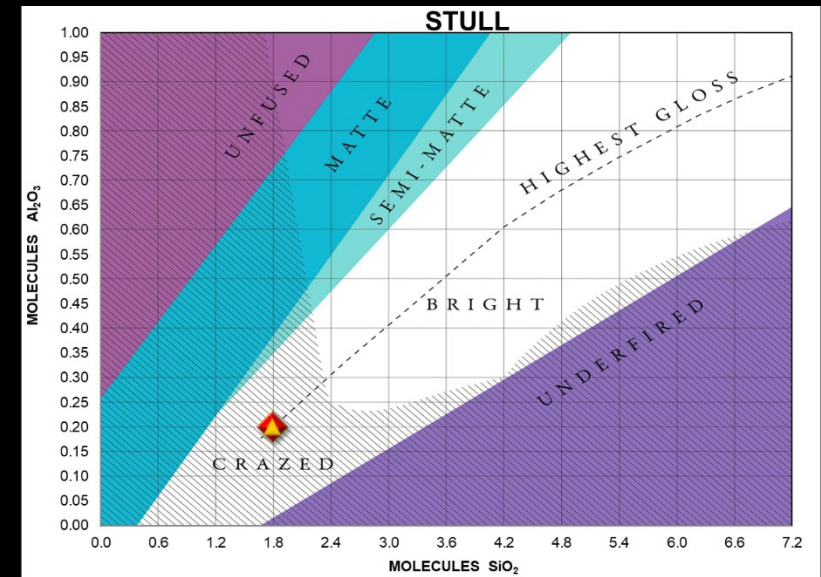
Black Iron Oxide

SiO ₂ :Al ₂ O ₃ Ratio 8.87 :1		Alkali Metals 0.18		Alkaline Earths 0.82	
SiO ₂ 2.73	Collective "Al ₂ O ₃ " 0.31	Na ₂ O 0.09	K ₂ O 0.08	MgO 0.00	CaO 0.17
B ₂ O ₃ 0.12	Al ₂ O ₃ 0.30	Li ₂ O	CuO	SrO 0.38	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.27
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO

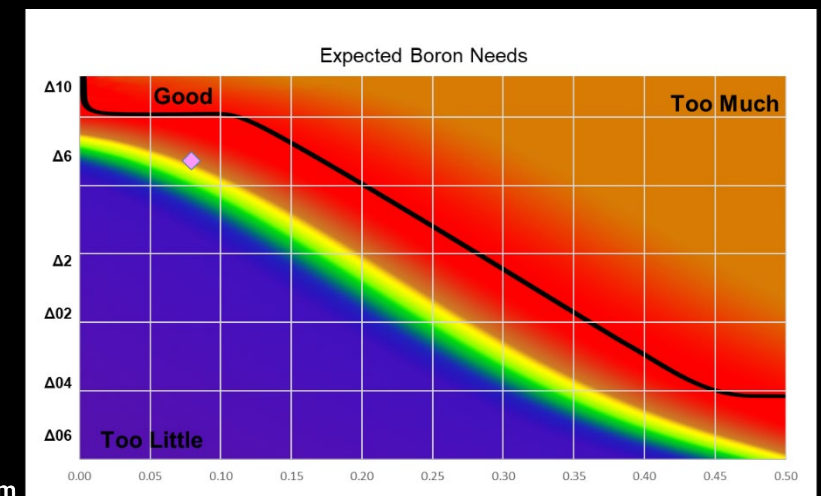


3%

SiO ₂ :Al ₂ O ₃ Ratio 8.87 :1		Alkali Metals 0.11		Alkaline Earths 0.89	
SiO ₂ 1.79	Collective "Al ₂ O ₃ " 0.20	Na ₂ O 0.06	K ₂ O 0.05	MgO 0.00	CaO 0.11
B ₂ O ₃ 0.08	Al ₂ O ₃ 0.20	Li ₂ O	CuO	SrO 0.25	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.52
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



9%



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Yellow Iron Oxide

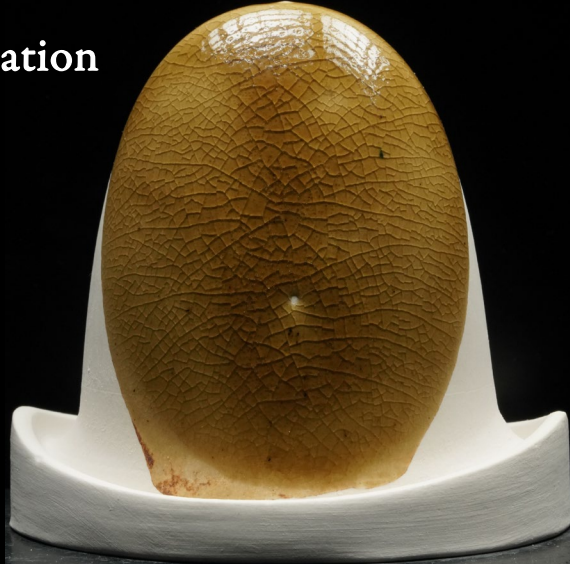
Oxidation

Reduction

3%



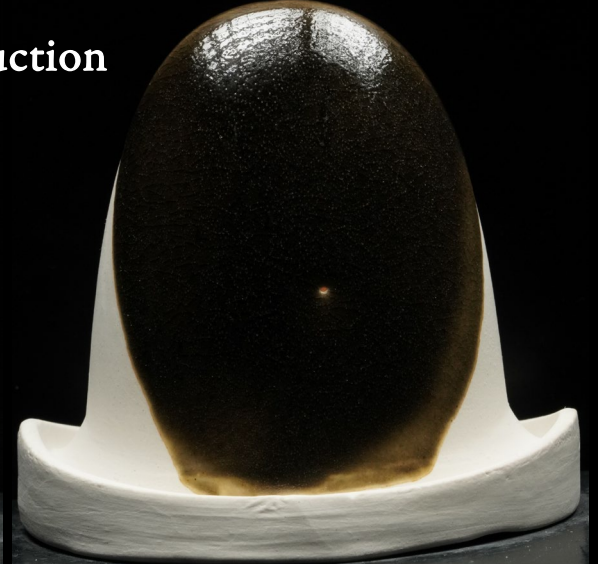
1-3 Second Dip



2-3 Second Dips

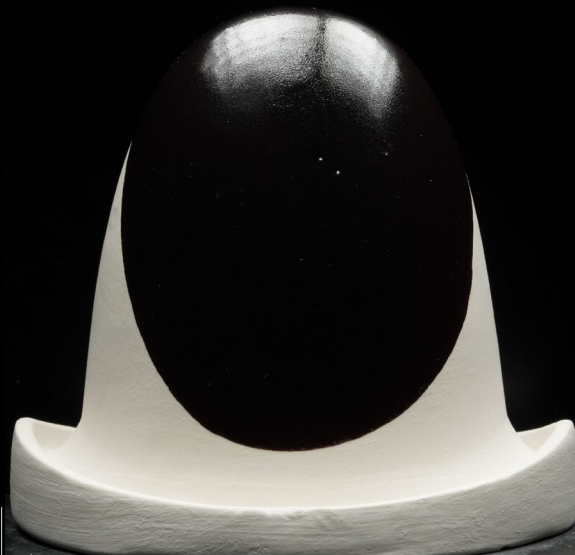


1-3 Second Dip



2-3 Second Dips

9%



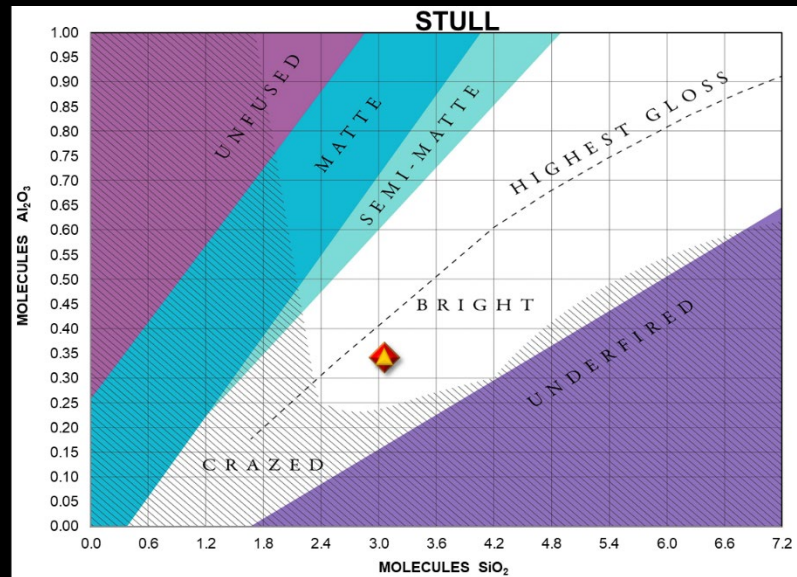
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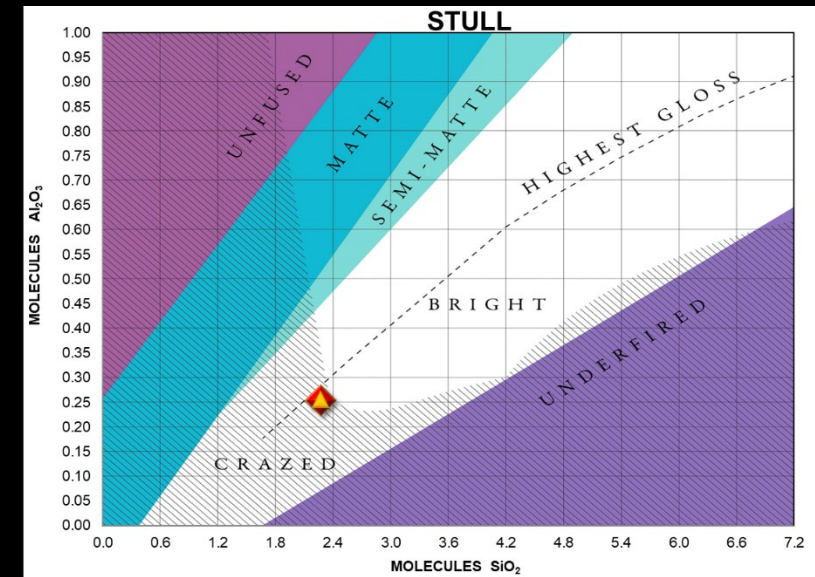
Yellow Iron Oxide

SiO ₂ :Al ₂ O ₃ Ratio 8.87 :1		Alkali Metals 0.20		Alkaline Earths 0.80	
SiO ₂ 3.06	Collective "Al ₂ O ₃ " 0.34	Na ₂ O 0.10	K ₂ O 0.09	MgO 0.00	CaO 0.19
B ₂ O ₃ 0.14	Al ₂ O ₃ 0.34	Li ₂ O	CuO	SrO 0.43	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.18
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO

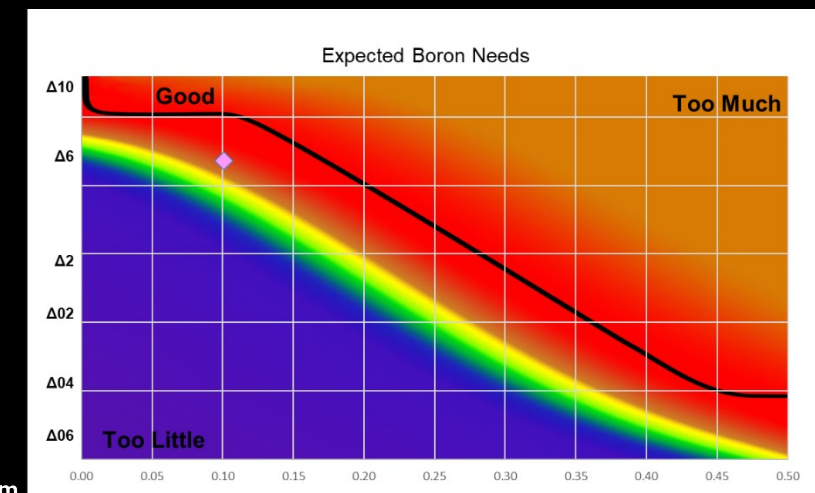
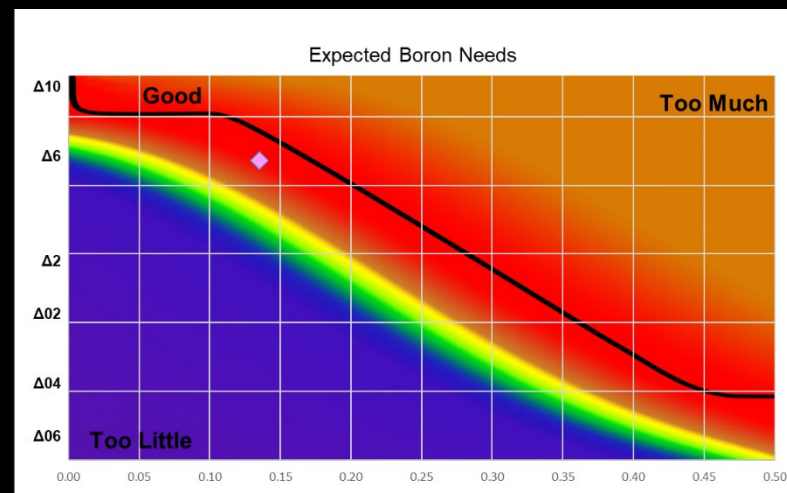


3%

SiO ₂ :Al ₂ O ₃ Ratio 8.87 :1		Alkali Metals 0.15		Alkaline Earths 0.85	
SiO ₂ 2.27	Collective "Al ₂ O ₃ " 0.26	Na ₂ O 0.08	K ₂ O 0.07	MgO 0.00	CaO 0.14
B ₂ O ₃ 0.10	Al ₂ O ₃ 0.25	Li ₂ O	CuO	SrO 0.32	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.39
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



9%



Manganese Dioxide

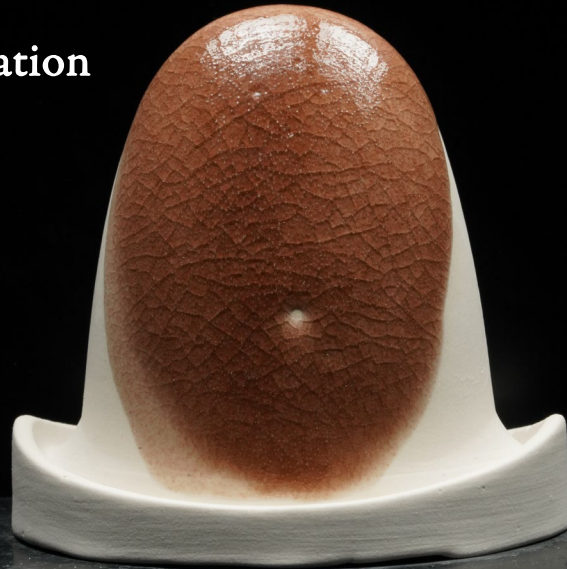
Oxidation

Reduction

1%



1-3 Second Dip



2-3 Second Dips



1-3 Second Dip



2-3 Second Dips

4%



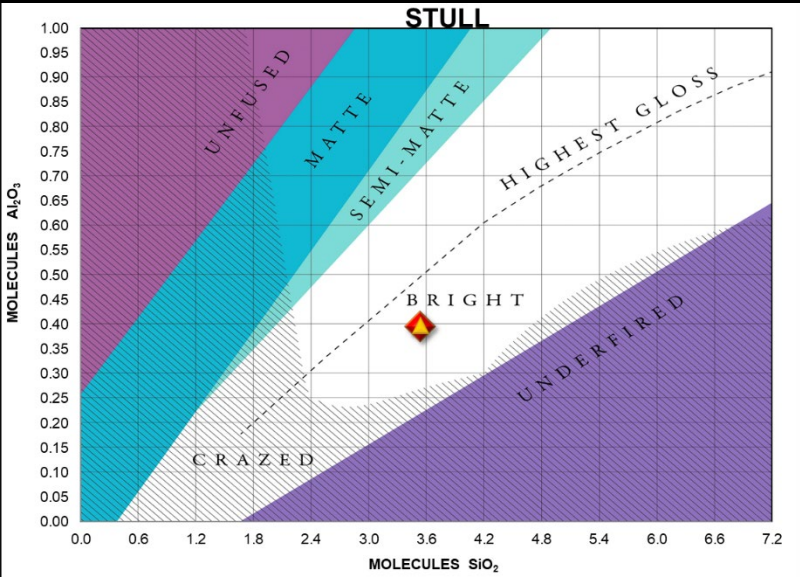
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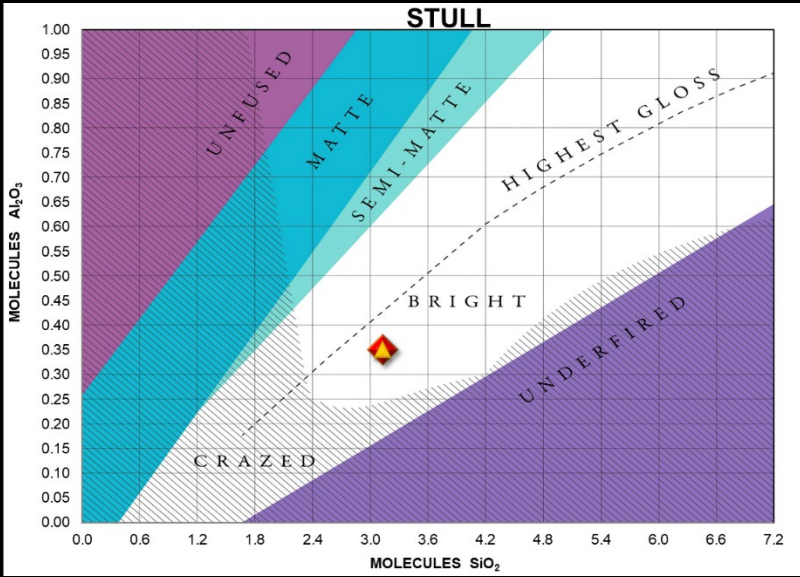
Manganese Dioxide

SiO ₂ :Al ₂ O ₃ Ratio 8.87 :1		Alkali Metals 0.23		Alkaline Earths 0.77	
SiO ₂ 3.54	Collective "Al ₂ O ₃ " 0.40	Na ₂ O 0.12	K ₂ O 0.11	MgO 0.00	CaO 0.22
B ₂ O ₃ 0.16	Al ₂ O ₃ 0.40	Li ₂ O	CuO	SrO 0.49	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 0.04	CoO

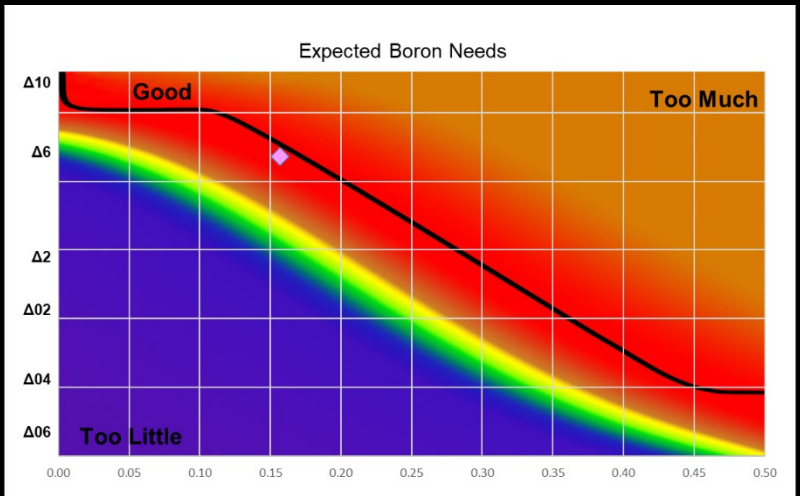


1%

SiO ₂ :Al ₂ O ₃ Ratio 8.87 :1		Alkali Metals 0.20		Alkaline Earths 0.80	
SiO ₂ 3.13	Collective "Al ₂ O ₃ " 0.35	Na ₂ O 0.11	K ₂ O 0.10	MgO 0.00	CaO 0.19
B ₂ O ₃ 0.14	Al ₂ O ₃ 0.35	Li ₂ O	CuO	SrO 0.44	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂ 0.15	CoO



4%



Vanadium Pentoxide

Oxidation

Reduction

3%



1-3 Second Dip



2-3 Second Dips



1-3 Second Dip



2-3 Second Dips

9%



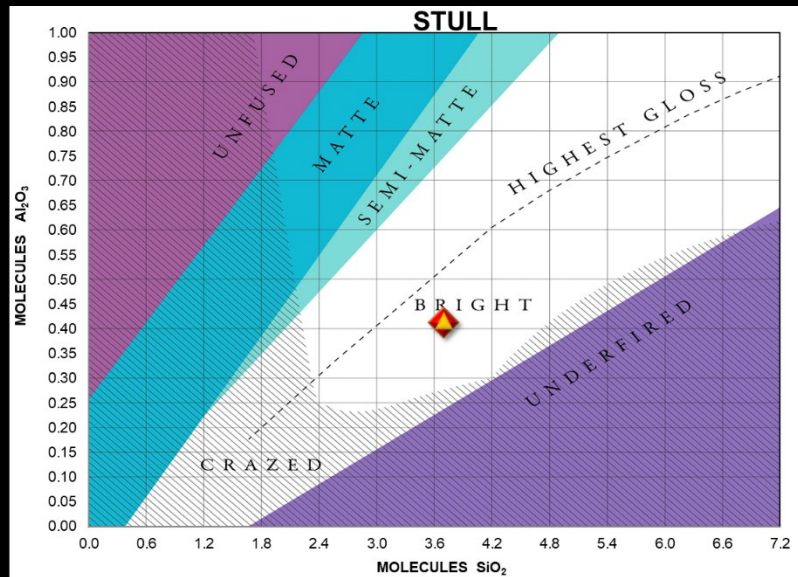
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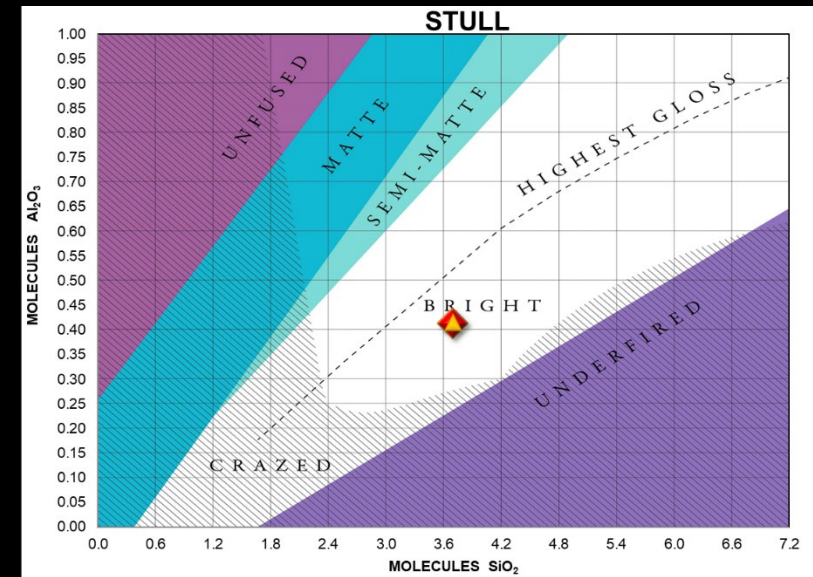
Vanadium Pentoxide

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



3%

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



9%



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Dark Rutile

Oxidation

Reduction

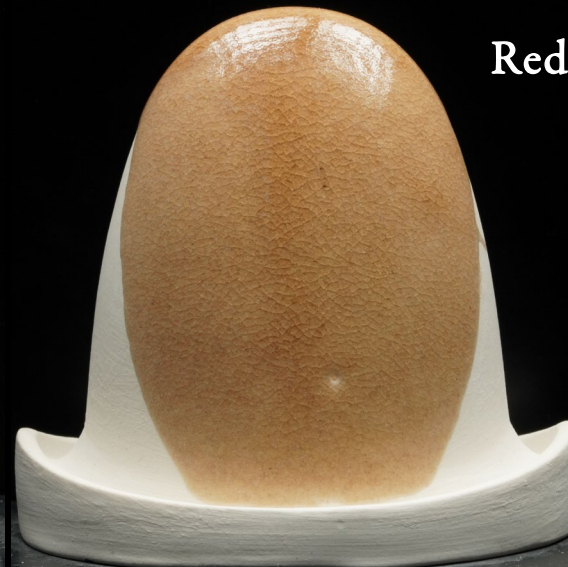
3%



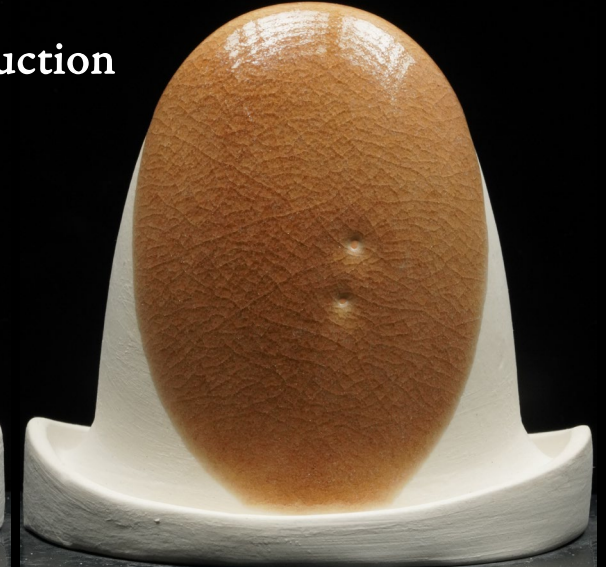
1-3 Second Dip



2-3 Second Dips



1-3 Second Dip



2-3 Second Dips

9%



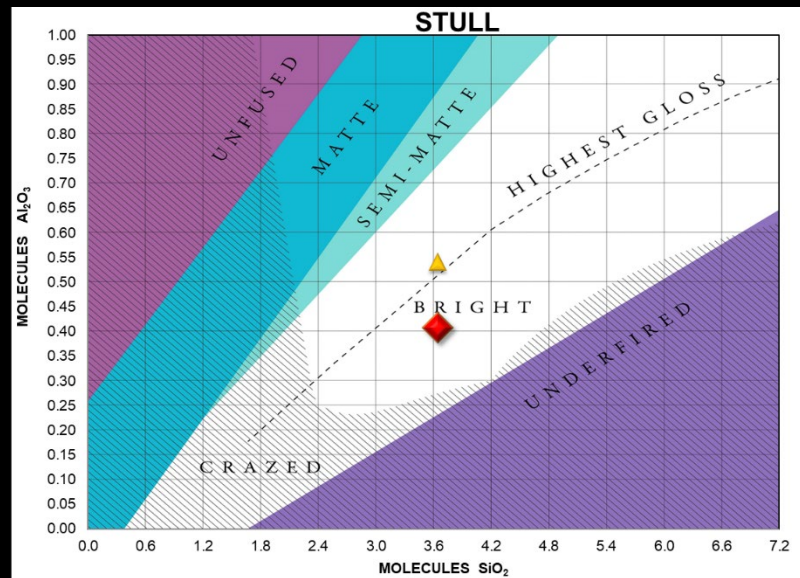
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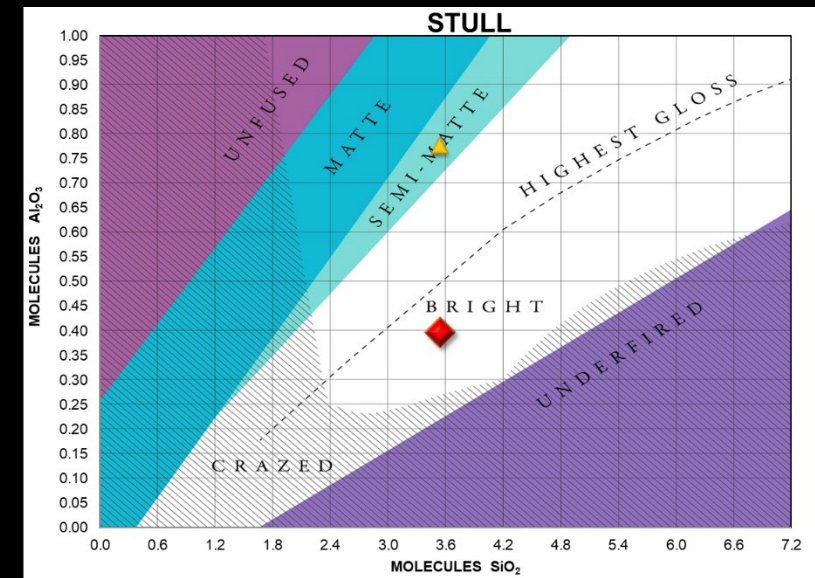
Dark Rutile

SiO ₂ :Al ₂ O ₃ Ratio 6.74 :1		Alkali Metals 0.23		Alkaline Earths 0.77	
SiO ₂ 3.64	Collective "Al ₂ O ₃ " 0.54	Na ₂ O 0.12	K ₂ O 0.11	MgO 0.00	CaO 0.23
B ₂ O ₃ 0.16	Al ₂ O ₃ 0.41	Li ₂ O	CuO	SrO 0.51	BaO
TiO ₂ 0.13	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.03
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO

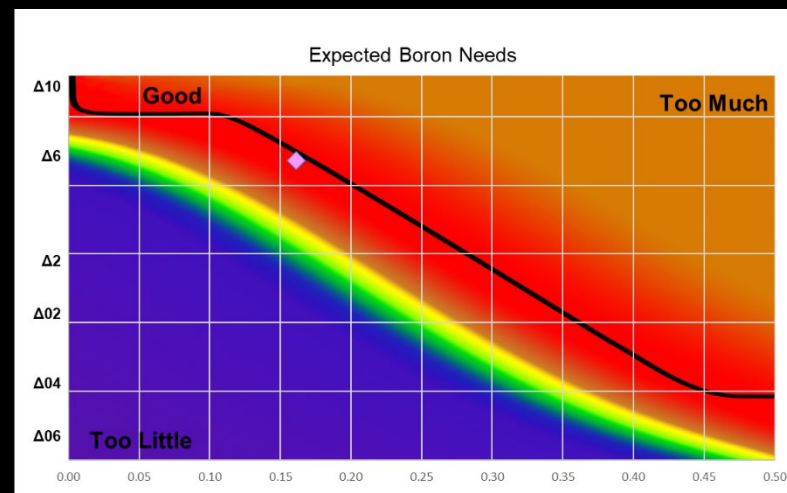


3%

SiO ₂ :Al ₂ O ₃ Ratio 4.55 :1		Alkali Metals 0.23		Alkaline Earths 0.77	
SiO ₂ 3.54	Collective "Al ₂ O ₃ " 0.78	Na ₂ O 0.12	K ₂ O 0.11	MgO 0.00	CaO 0.22
B ₂ O ₃ 0.16	Al ₂ O ₃ 0.40	Li ₂ O	CuO	SrO 0.49	BaO
TiO ₂ 0.38	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.06
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



9%



Light Rutile

Oxidation

Reduction

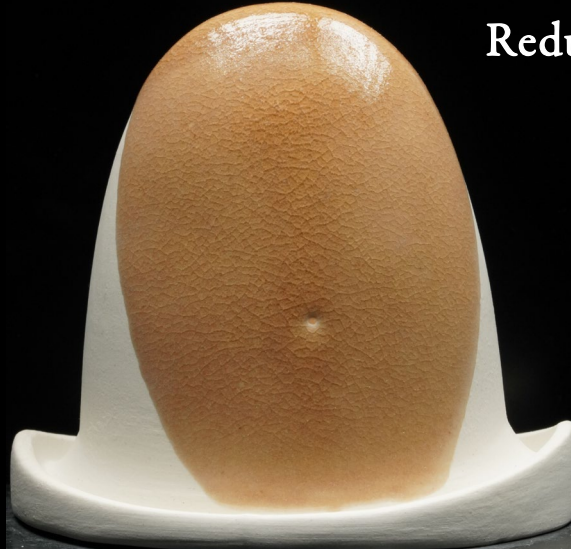
3%



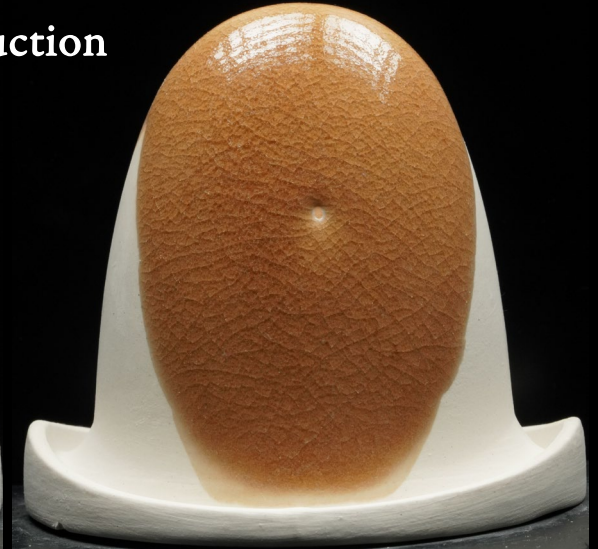
1-3 Second Dip



2-3 Second Dips



1-3 Second Dip



2-3 Second Dips

9%



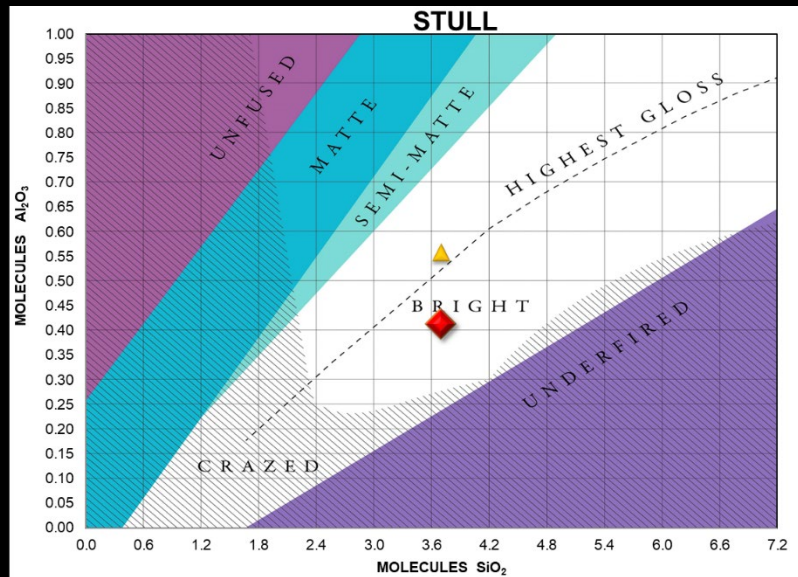
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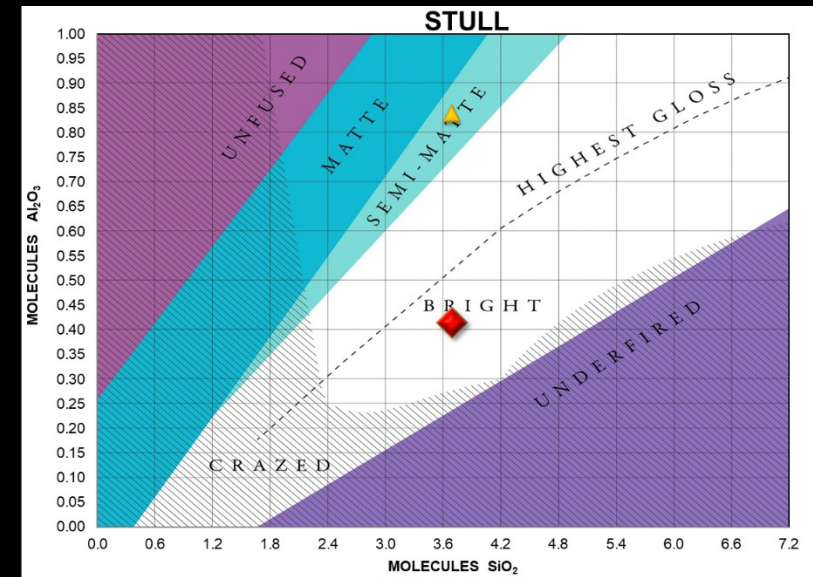
Light Rutile

SiO ₂ :Al ₂ O ₃ Ratio 6.63 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.70	Collective "Al ₂ O ₃ " 0.56	Na ₂ O 0.13	K ₂ O 0.11	MgO 0.00	CaO 0.23
B ₂ O ₃ 0.16	Al ₂ O ₃ 0.41	Li ₂ O	CuO	SrO 0.52	BaO
TiO ₂ 0.14	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



3%

SiO ₂ :Al ₂ O ₃ Ratio 4.40 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.69	Collective "Al ₂ O ₃ " 0.84	Na ₂ O 0.12	K ₂ O 0.11	MgO 0.00	CaO 0.23
B ₂ O ₃ 0.16	Al ₂ O ₃ 0.41	Li ₂ O	CuO	SrO 0.51	BaO
TiO ₂ 0.43	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.02
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



9%



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Titanium Dioxide

Oxidation

Reduction

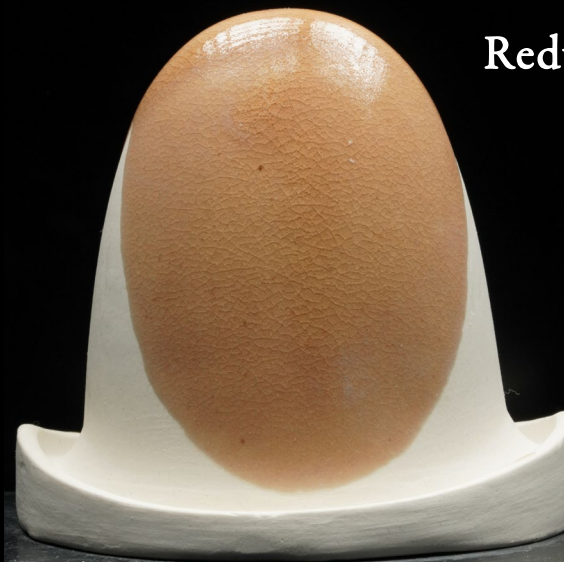
3%



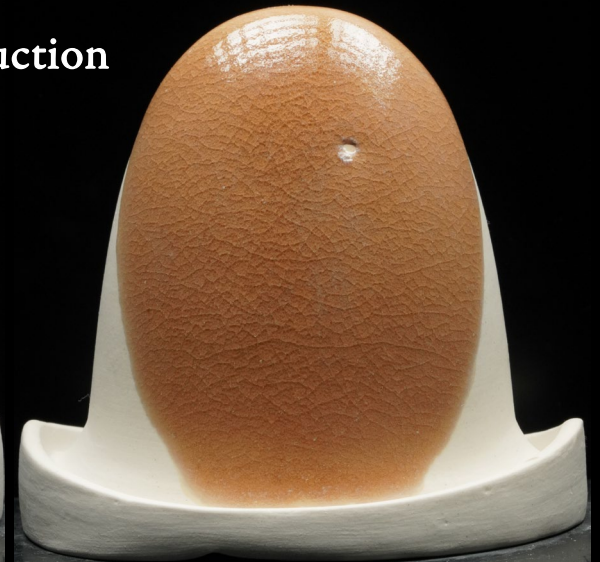
1-3 Second Dip



2-3 Second Dips



1-3 Second Dip



2-3 Second Dips

9%



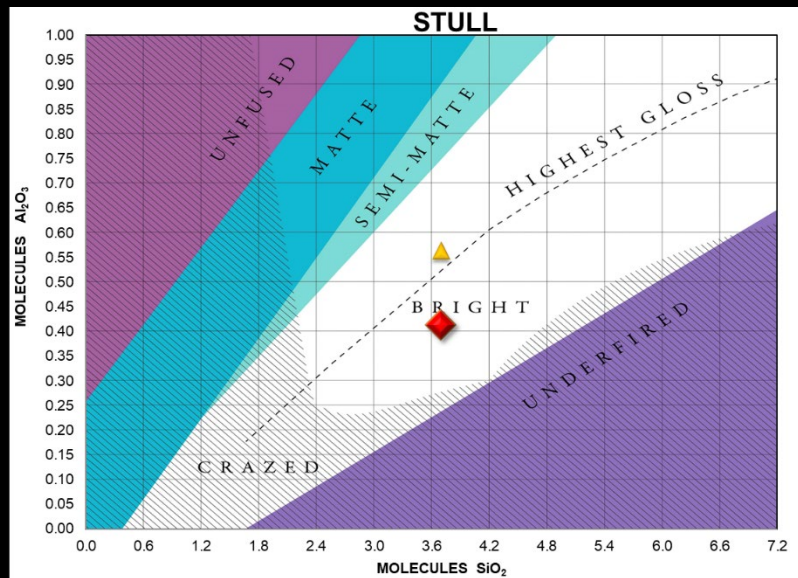
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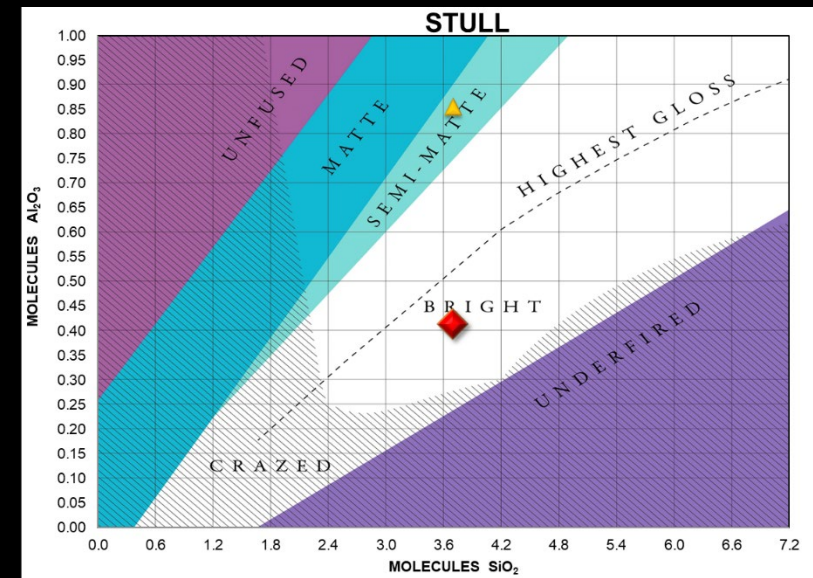
Titanium Dioxide

SiO ₂ :Al ₂ O ₃ Ratio 6.56 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.70	Collective "Al ₂ O ₃ " 0.56	Na ₂ O 0.13	K ₂ O 0.11	MgO 0.00	CaO 0.23
B ₂ O ₃ 0.16	Al ₂ O ₃ 0.41	Li ₂ O	CuO	SrO 0.52	BaO
TiO ₂ 0.15	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO

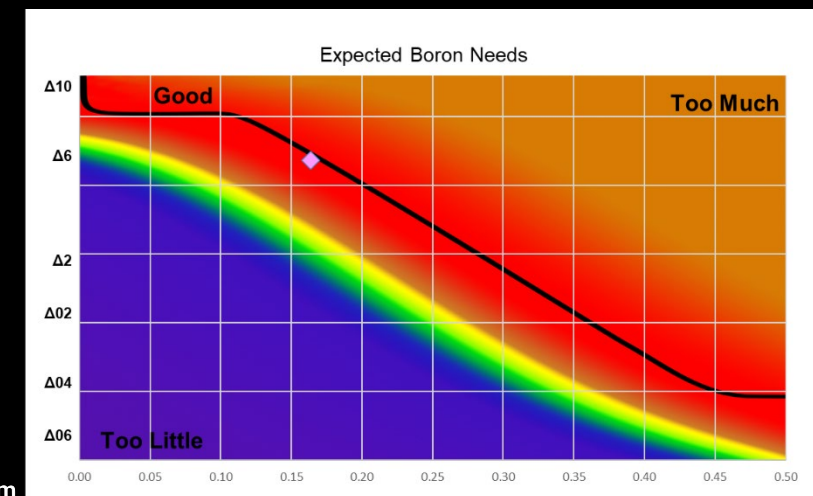


3%

SiO ₂ :Al ₂ O ₃ Ratio 4.32 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.70	Collective "Al ₂ O ₃ " 0.86	Na ₂ O 0.13	K ₂ O 0.11	MgO 0.00	CaO 0.23
B ₂ O ₃ 0.16	Al ₂ O ₃ 0.41	Li ₂ O	CuO	SrO 0.52	BaO
TiO ₂ 0.44	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



9%



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Nickel Carbonate

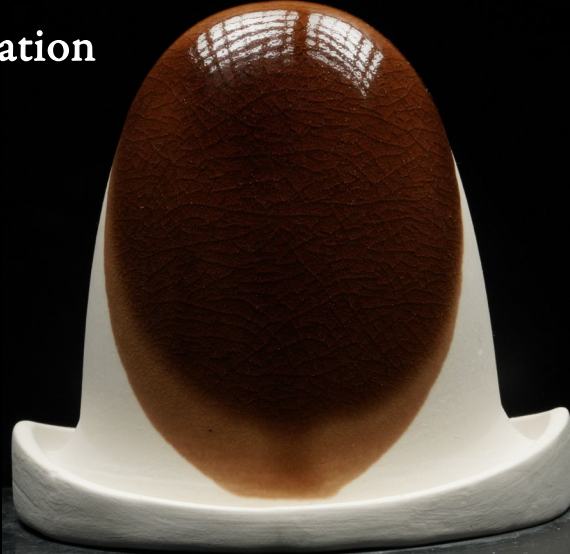
Oxidation

Reduction

2%



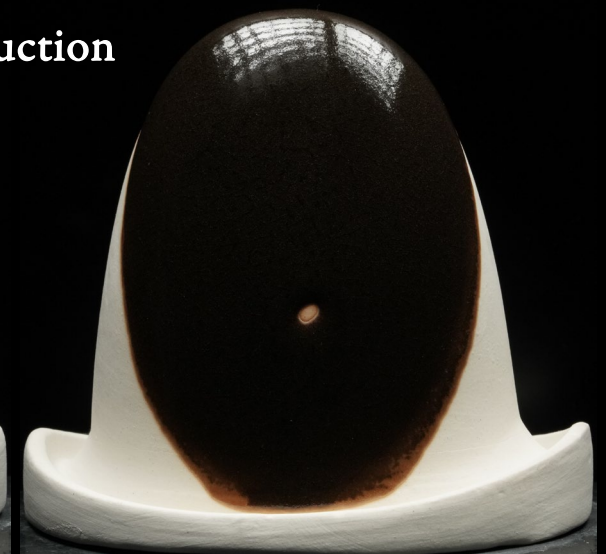
1-3 Second Dip



2-3 Second Dips



1-3 Second Dip



2-3 Second Dips

6%



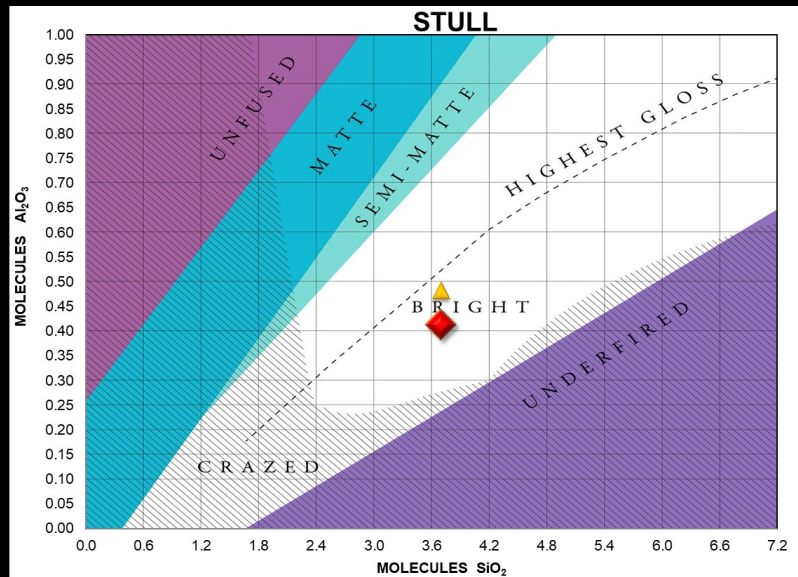
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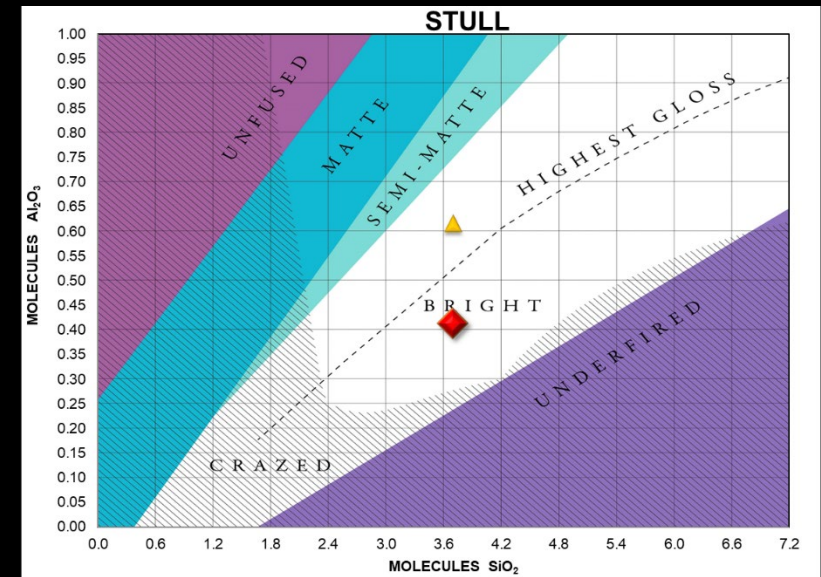
Nickel Carbonate

SiO ₂ :Al ₂ O ₃ Ratio 7.65 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.70	Collective "Al ₂ O ₃ " 0.48	Na ₂ O 0.13	K ₂ O 0.11	MgO 0.00	CaO 0.23
B ₂ O ₃ 0.16	Al ₂ O ₃ 0.41	Li ₂ O	CuO	SrO 0.52	BaO
TiO ₂ 0.00	NiO 0.07	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO

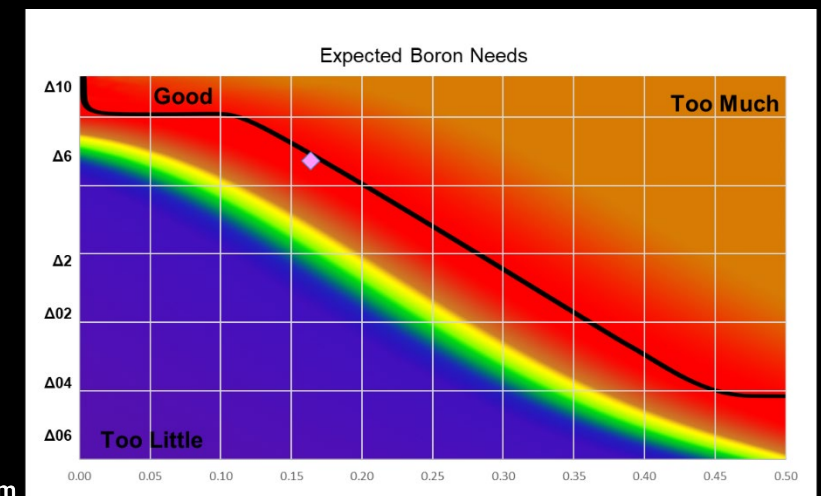


2%

SiO ₂ :Al ₂ O ₃ Ratio 6.00 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.70	Collective "Al ₂ O ₃ " 0.62	Na ₂ O 0.13	K ₂ O 0.11	MgO 0.00	CaO 0.23
B ₂ O ₃ 0.16	Al ₂ O ₃ 0.41	Li ₂ O	CuO	SrO 0.52	BaO
TiO ₂ 0.00	NiO 0.20	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



6%



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Nickel Oxide-Black

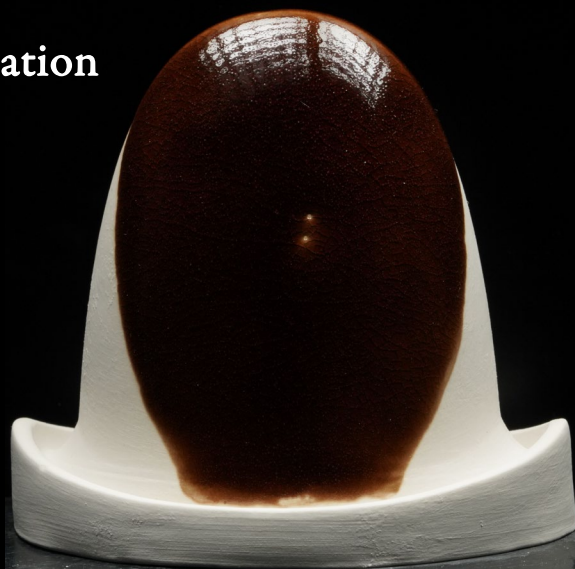
Oxidation

Reduction

2%



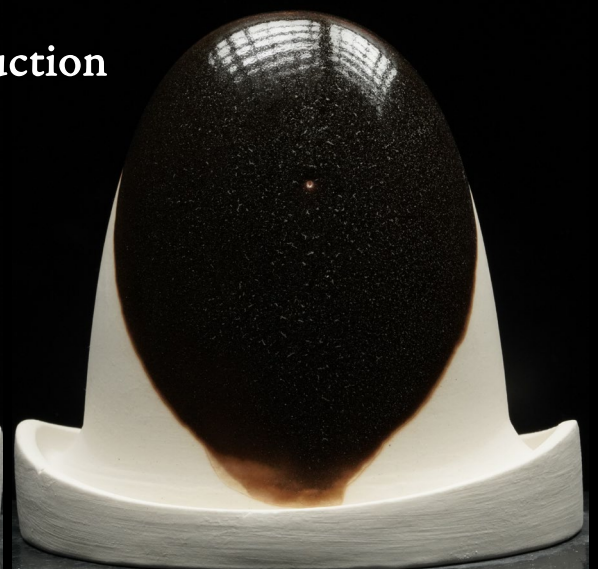
1-3 Second Dip



2-3 Second Dips

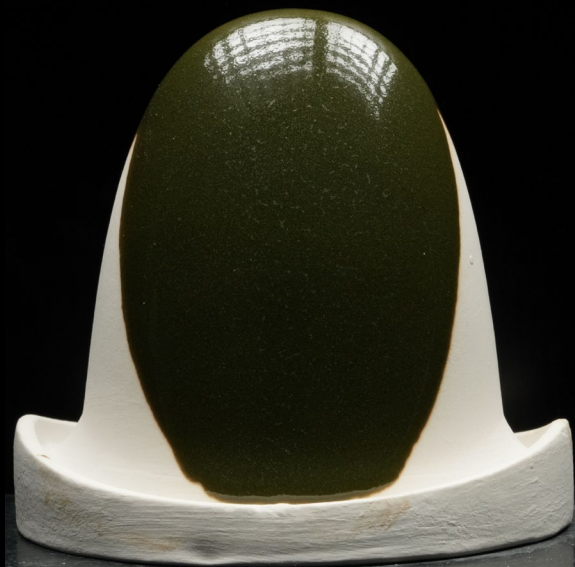


1-3 Second Dip



2-3 Second Dips

6%



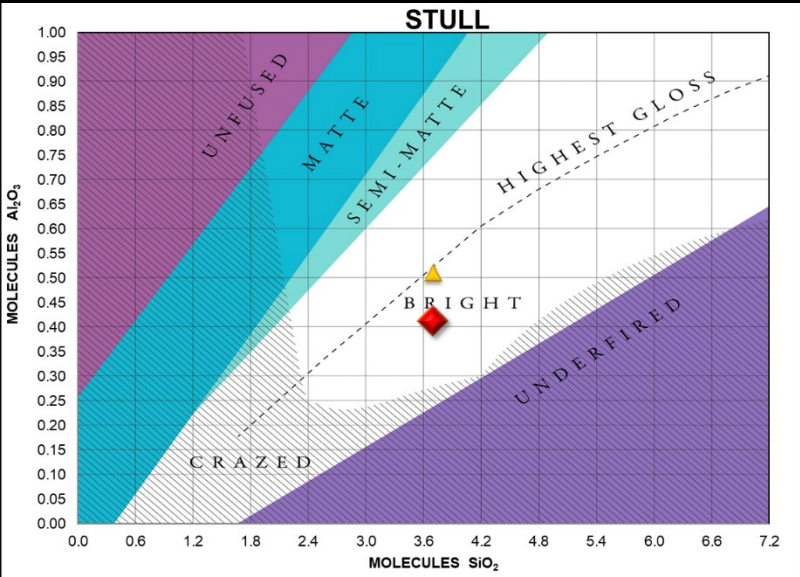
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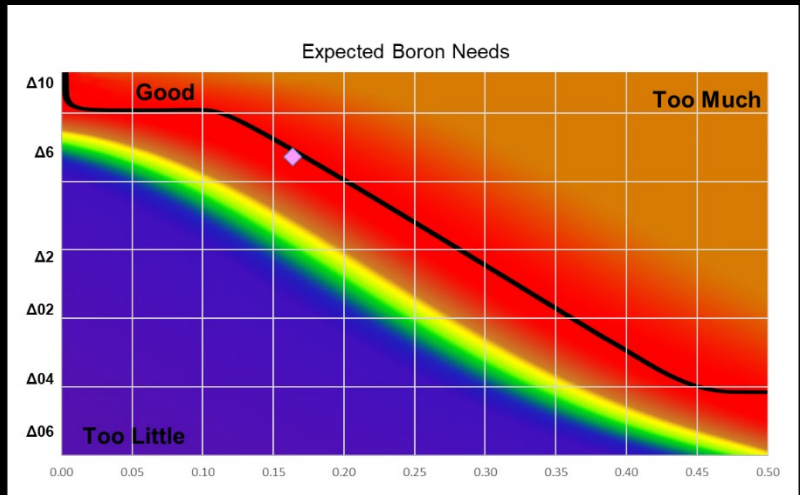
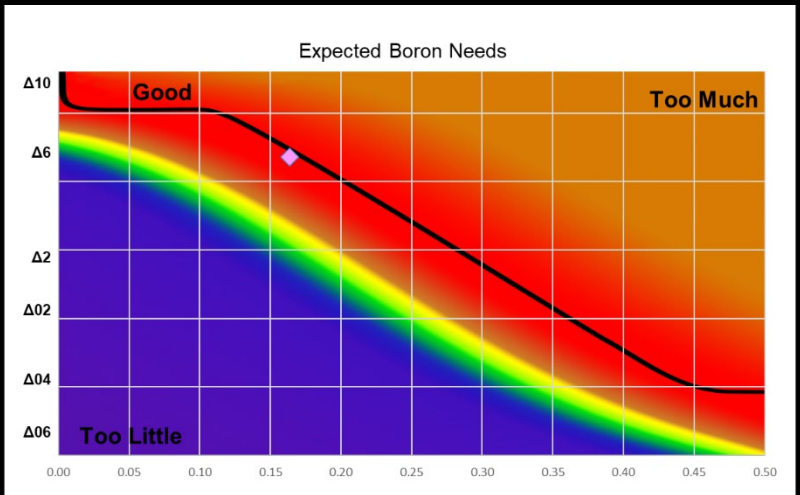
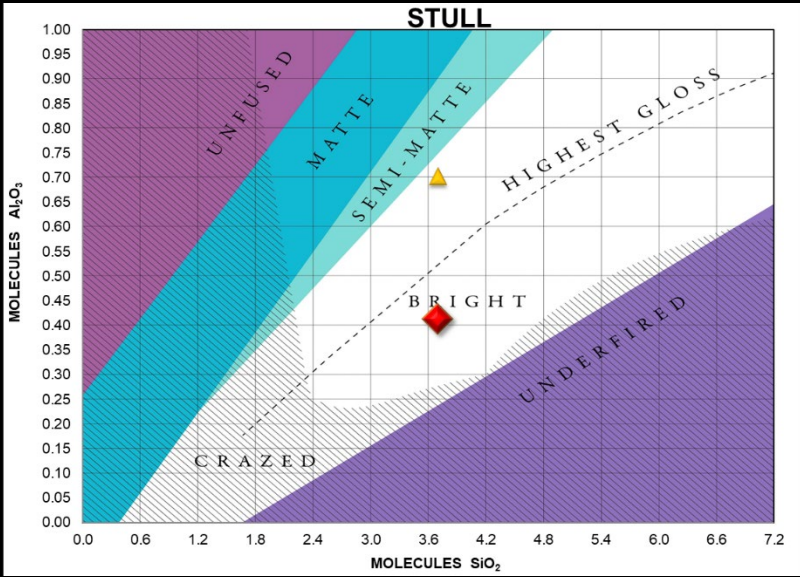
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Nickel Oxide-Black

SiO ₂ :Al ₂ O ₃ Ratio 7.22 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.70	Collective "Al ₂ O ₃ " 0.51	Na ₂ O 0.13	K ₂ O 0.11	MgO 0.00	CaO 0.23
B ₂ O ₃ 0.16	Al ₂ O ₃ 0.41	Li ₂ O	CuO	SrO 0.52	BaO
TiO ₂ 0.00	NiO 0.10	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



SiO ₂ :Al ₂ O ₃ Ratio 5.26 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.70	Collective "Al ₂ O ₃ " 0.70	Na ₂ O 0.13	K ₂ O 0.11	MgO 0.00	CaO 0.23
B ₂ O ₃ 0.16	Al ₂ O ₃ 0.41	Li ₂ O	CuO	SrO 0.52	BaO
TiO ₂ 0.00	NiO 0.29	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Tin Oxide

Oxidation

Reduction

3%



1-3 Second Dip



2-3 Second Dips



1-3 Second Dip



2-3 Second Dips

6%



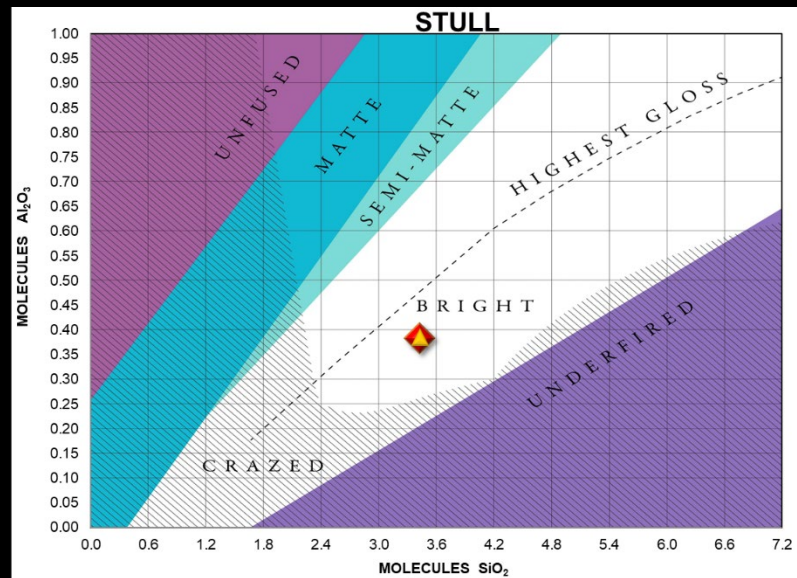
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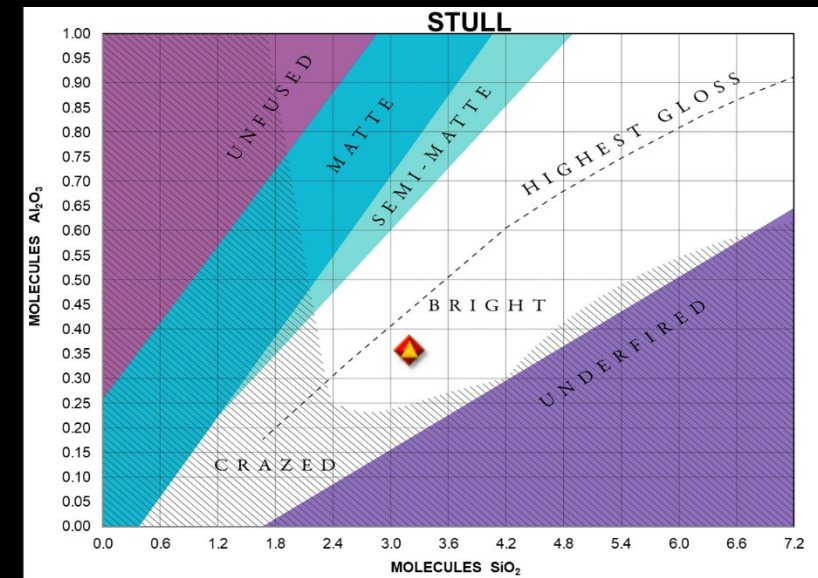
Tin Oxide

SiO ₂ :Al ₂ O ₃ Ratio 8.87 :1		Alkali Metals 0.29		Alkaline Earths 0.71	
SiO ₂ 3.43	Collective "Al ₂ O ₃ " 0.39	Na ₂ O 0.12	K ₂ O 0.10	MgO 0.00	CaO 0.21
B ₂ O ₃ 0.15	Al ₂ O ₃ 0.38	Li ₂ O	CuO	SrO 0.48	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂ 0.07	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO

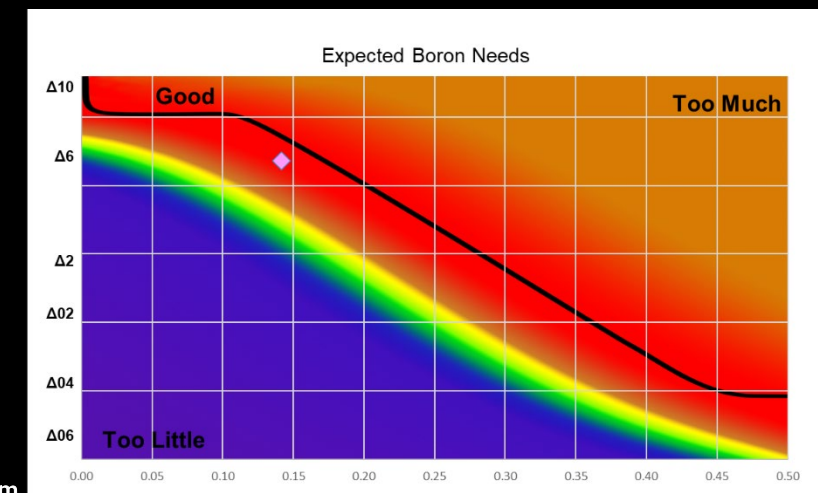


3%

SiO ₂ :Al ₂ O ₃ Ratio 8.87 :1		Alkali Metals 0.34		Alkaline Earths 0.66	
SiO ₂ 3.20	Collective "Al ₂ O ₃ " 0.36	Na ₂ O 0.11	K ₂ O 0.10	MgO 0.00	CaO 0.20
B ₂ O ₃ 0.14	Al ₂ O ₃ 0.36	Li ₂ O	CuO	SrO 0.45	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂ 0.14	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



6%



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Zirconium Silicate

Oxidation

Reduction

5%



1-3 Second Dip



2-3 Second Dips



1-3 Second Dip



2-3 Second Dips

10%



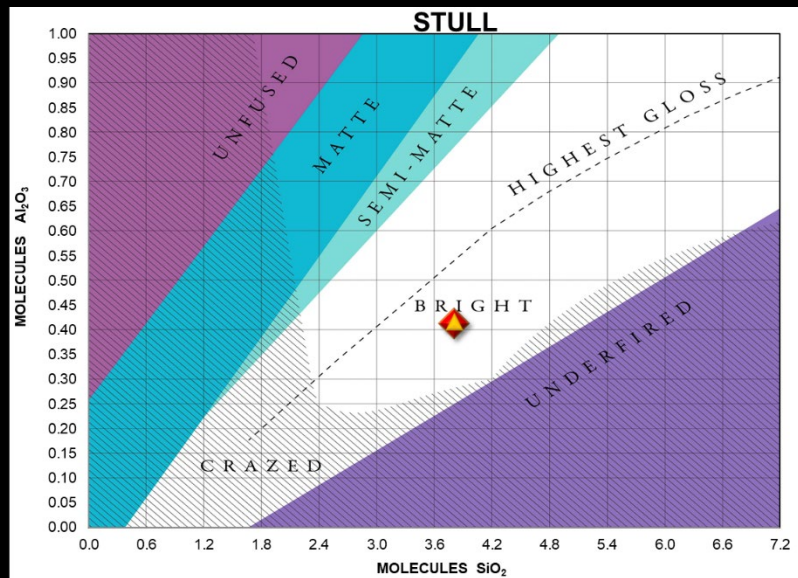
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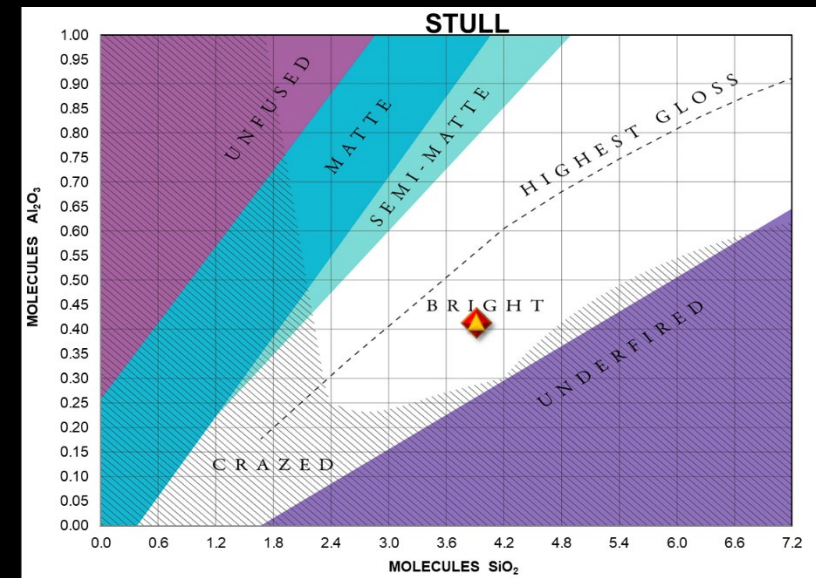
Zirconium Silicate

SiO ₂ :Al ₂ O ₃ Ratio 9.13 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.81	Collective "Al ₂ O ₃ " 0.42	Na ₂ O 0.13	K ₂ O 0.11	MgO 0.00	CaO 0.23
B ₂ O ₃ 0.16	Al ₂ O ₃ 0.41	Li ₂ O	CuO	SrO 0.52	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO

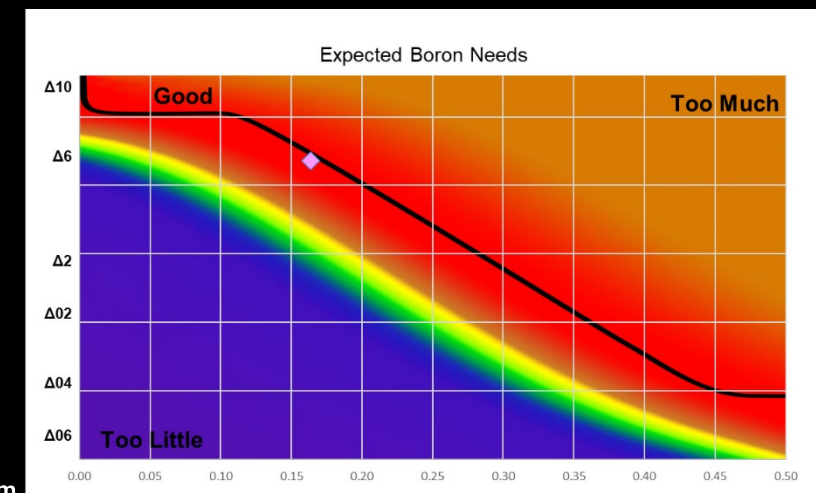
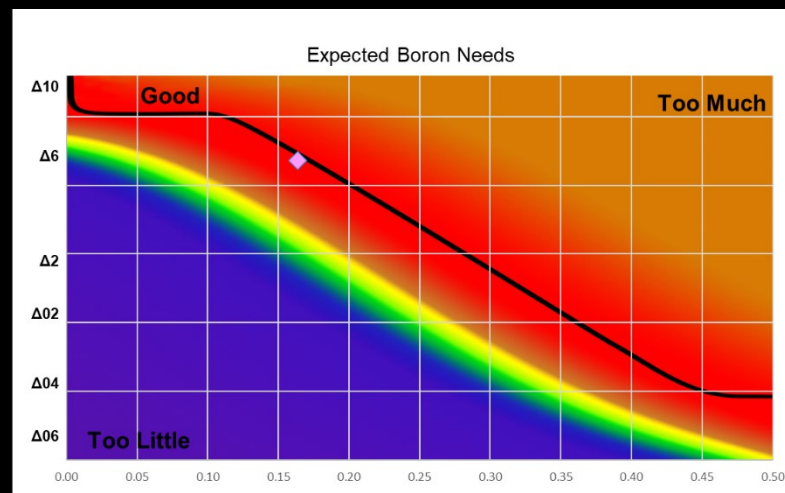


5%

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



10%



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Stain Dark Red 6021

Oxidation

Reduction

5%



1-3 Second Dip



2-3 Second Dips

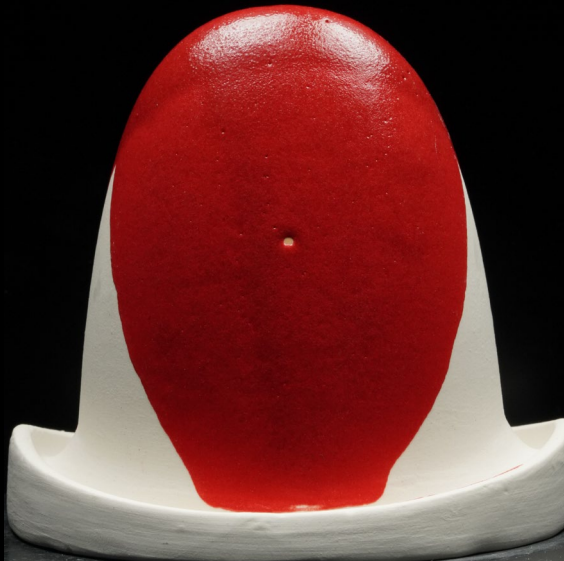


1-3 Second Dip



2-3 Second Dips

10%



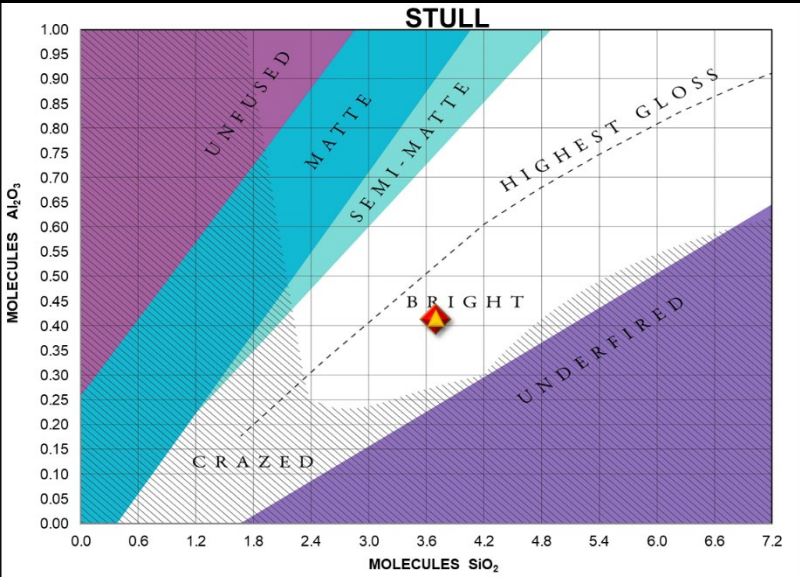
Ceramic
Materials
Workshop

Glassy Eyed - 070422

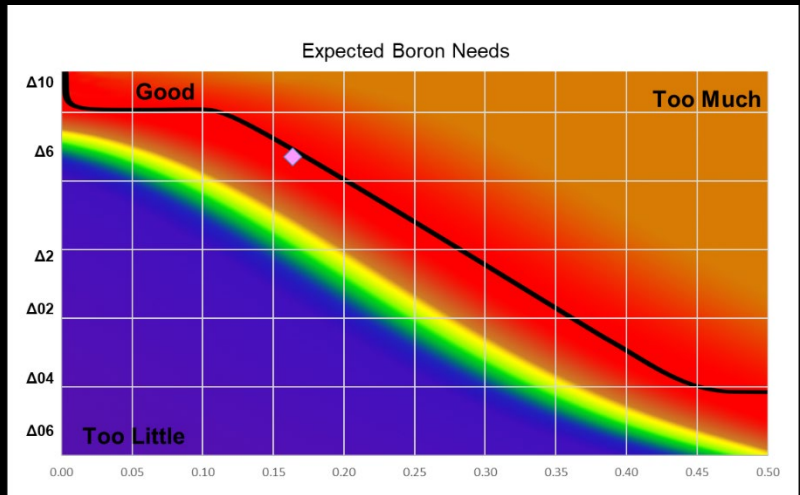
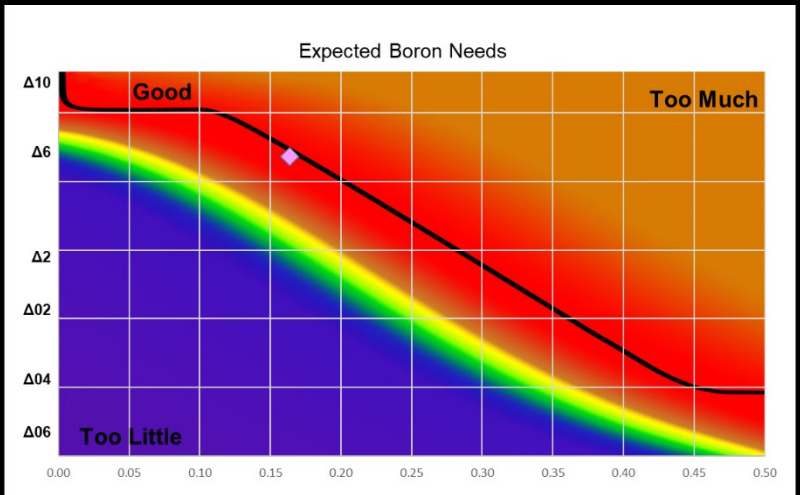
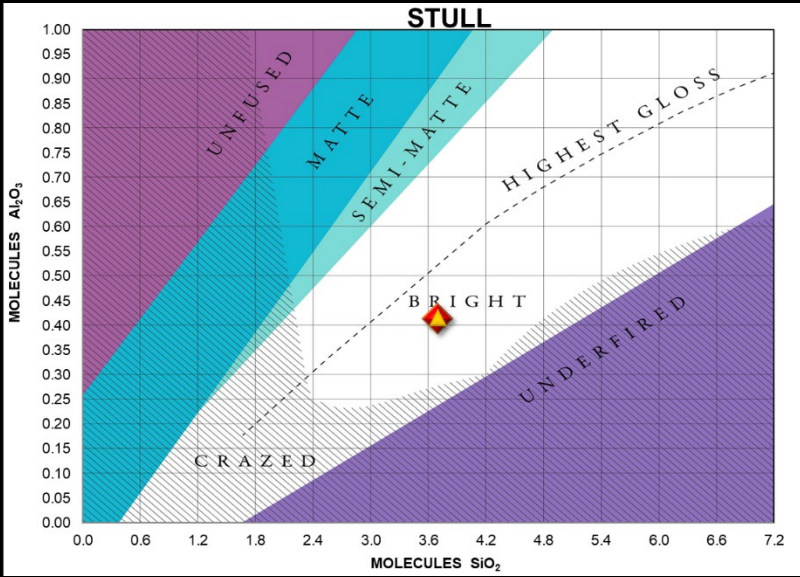
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Stain Dark Red 6021

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



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



Silicon Carbide-30 Mesh

Oxidation

Reduction

3%



1-3 Second Dip



2-3 Second Dips



1-3 Second Dip



2-3 Second Dips

9%



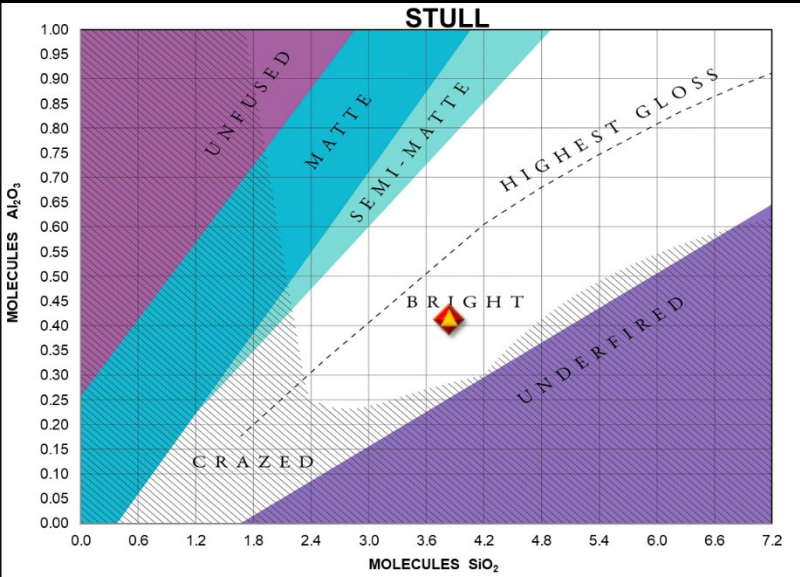
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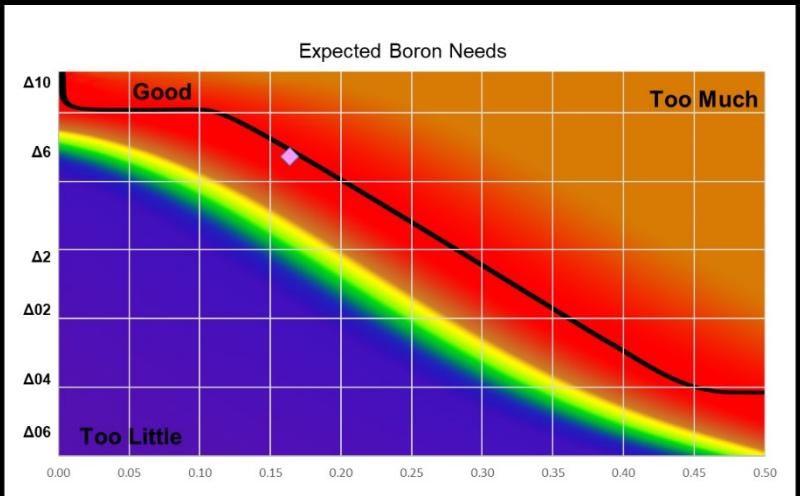
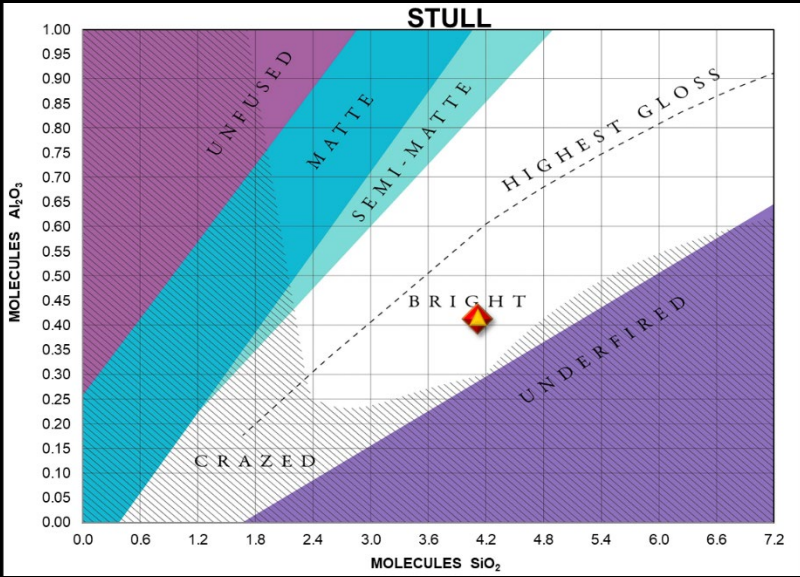
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Silicon Carbide-30 Mesh

SiO ₂ :Al ₂ O ₃ Ratio 9.20 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.84	Collective "Al ₂ O ₃ " 0.42	Na ₂ O 0.13	K ₂ O 0.11	MgO 0.00	CaO 0.23
B ₂ O ₃ 0.16	Al ₂ O ₃ 0.41	Li ₂ O	CuO	SrO 0.52	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



SiO ₂ :Al ₂ O ₃ Ratio 9.87 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 4.11	Collective "Al ₂ O ₃ " 0.42	Na ₂ O 0.13	K ₂ O 0.11	MgO 0.00	CaO 0.23
B ₂ O ₃ 0.16	Al ₂ O ₃ 0.41	Li ₂ O	CuO	SrO 0.52	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Silicon Carbide-800 Mesh

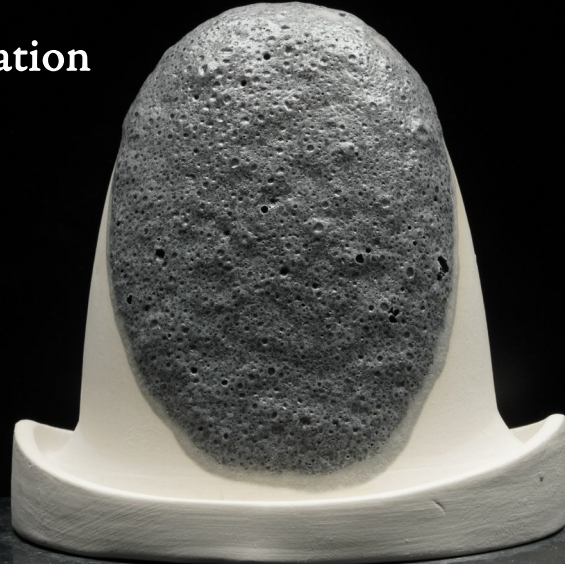
Oxidation

Reduction

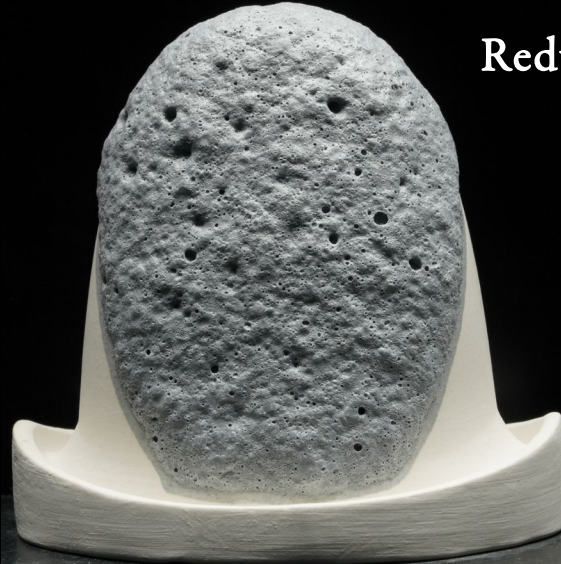
3%



1-3 Second Dip



2-3 Second Dips



1-3 Second Dip



2-3 Second Dips

9%



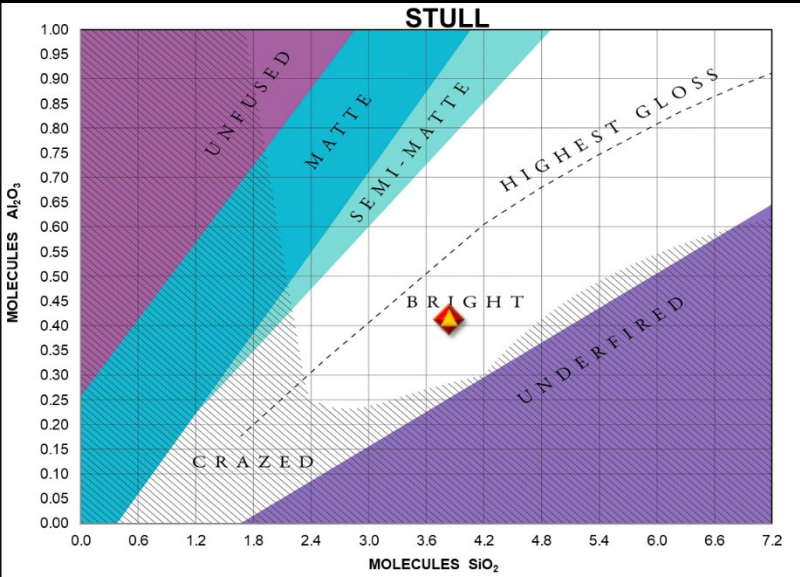
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Silicon Carbide-800 Mesh

SiO ₂ :Al ₂ O ₃ Ratio 9.20 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.84	Collective "Al ₂ O ₃ " 0.42	Na ₂ O 0.13	K ₂ O 0.11	MgO 0.00	CaO 0.23
B ₂ O ₃ 0.16	Al ₂ O ₃ 0.41	Li ₂ O	CuO	SrO 0.52	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



SiO ₂ :Al ₂ O ₃ Ratio 9.87 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 4.11	Collective "Al ₂ O ₃ " 0.42	Na ₂ O 0.13	K ₂ O 0.11	MgO 0.00	CaO 0.23
B ₂ O ₃ 0.16	Al ₂ O ₃ 0.41	Li ₂ O	CuO	SrO 0.52	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO

