

My Blue Heaven- Δ 10

Lab 5a-Color Wheel

My Blue Heaven

Original
062622-1

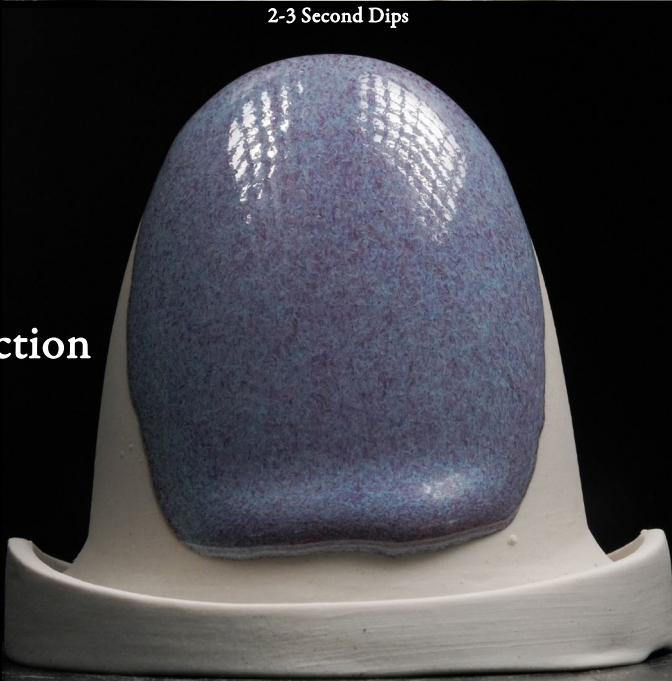
Neph Sy	33.10
Whiting	22.16
EPK	1.66
Flint	40.98
Bentonite	2.10
Titanium Dioxide	2.90
Copper Carbonate	2.10
Tin Oxide	1.05
Water	60



Oxidation

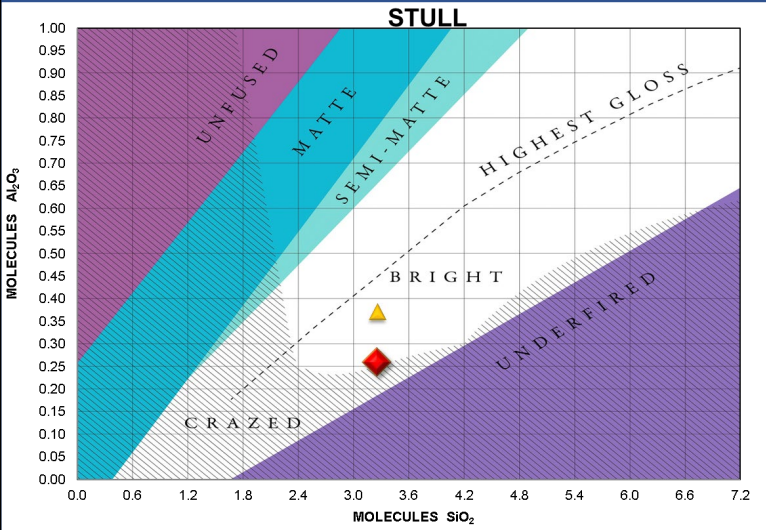


Reduction



UMF

SiO ₂ :Al ₂ O ₃ Ratio 12.51 : 1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.52	Collective "Al ₂ O ₃ " 0.28	Na ₂ O 0.19	K ₂ O 0.05	MgO 0.01	CaO 0.75
B ₂ O ₃	Al ₂ O ₃ 0.28	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



EUMF

SiO ₂ :Al ₂ O ₃ Ratio 8.75 : 1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.26	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.01	CaO 0.69
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.11	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



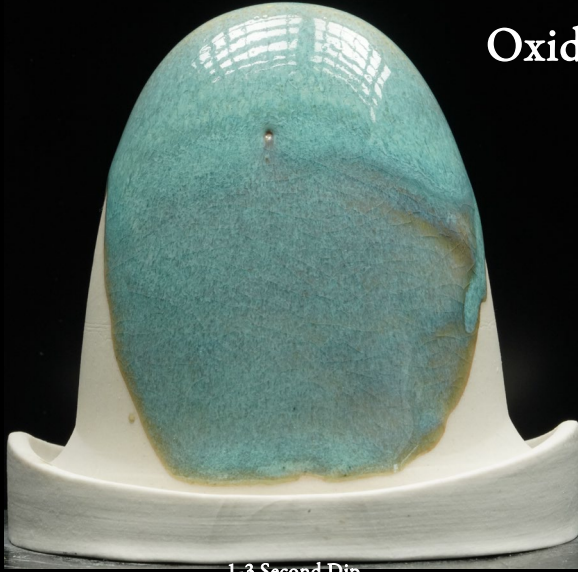
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Chrome Oxide (+2.92% Titanium Dioxide)

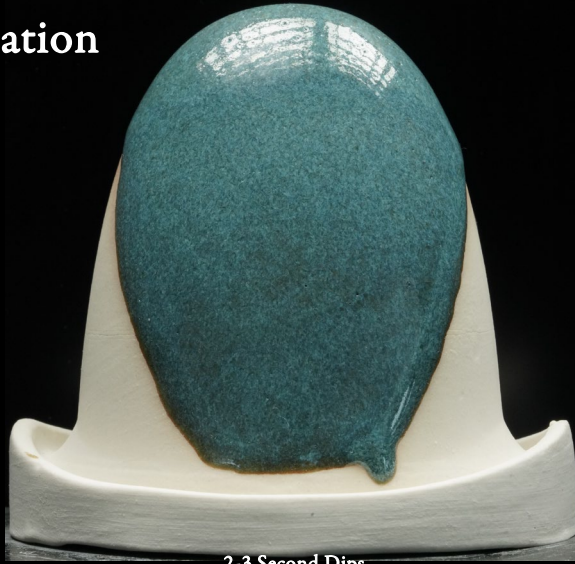
0.5%

Oxidation

Reduction



1-3 Second Dip



2-3 Second Dips

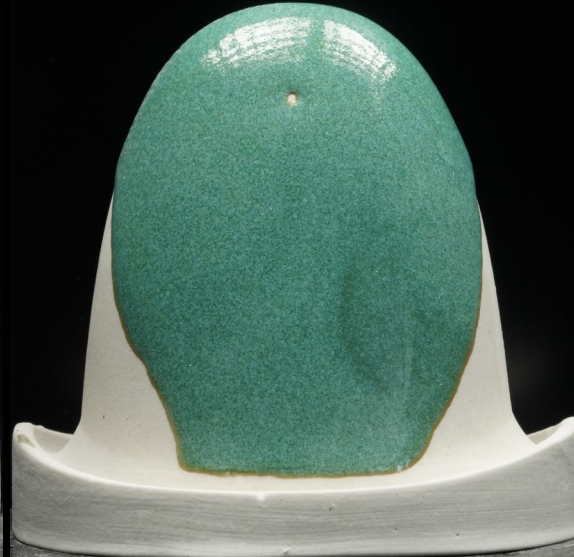
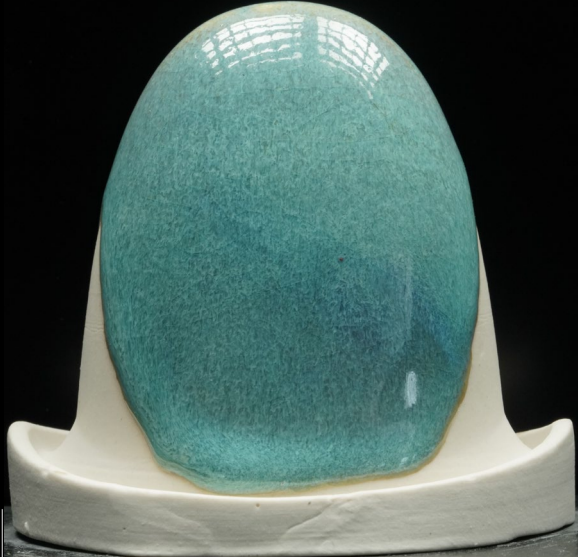


1-3 Second Dip



2-3 Second Dips

2%



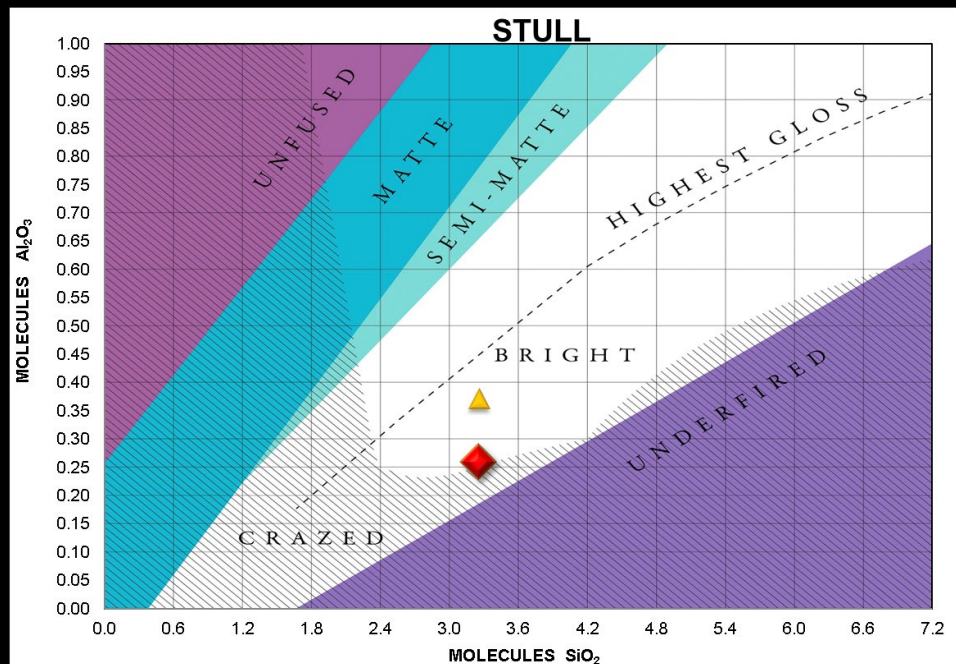
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Chrome Oxide (+2.92% Titanium Dioxide)

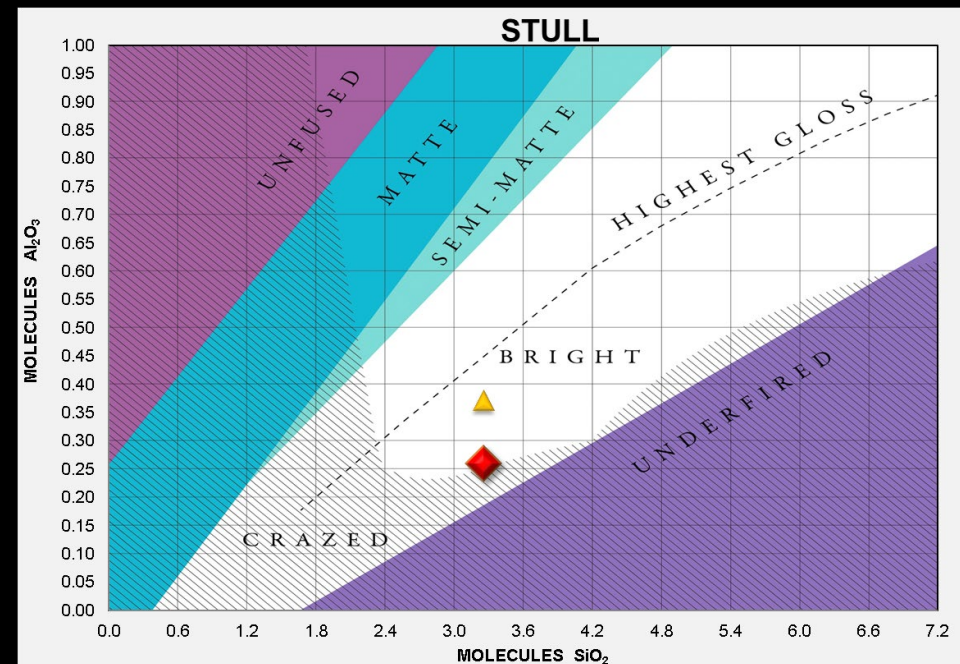
0.5%

SiO ₂ :Al ₂ O ₃ Ratio 8.75 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.26	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.01	CaO 0.69
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.11	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃ 0.01	ZrO ₂	P ₂ O ₅		MnO ₂	CoO

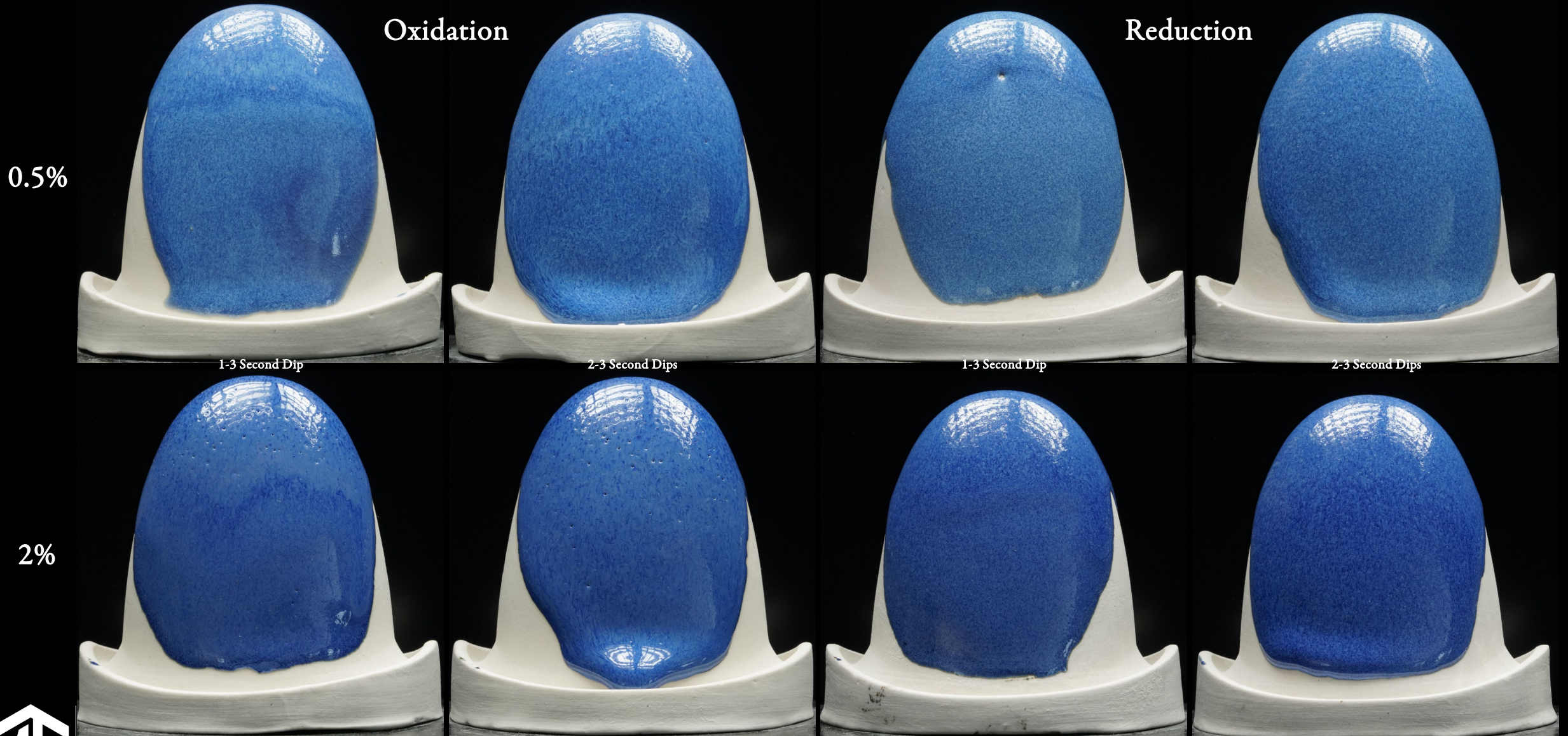


2%

SiO ₂ :Al ₂ O ₃ Ratio 8.75 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.26	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.01	CaO 0.69
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.11	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃ 0.04	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Cobalt Carbonate (+2.92% Titanium Dioxide)



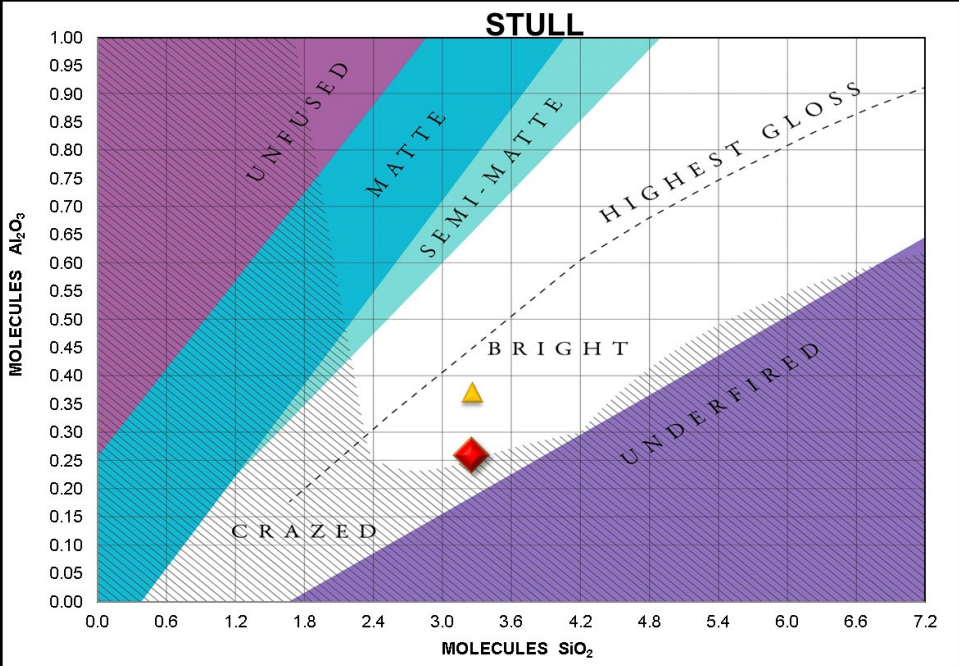
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Cobalt Carbonate(+2.92% Titanium Dioxide)

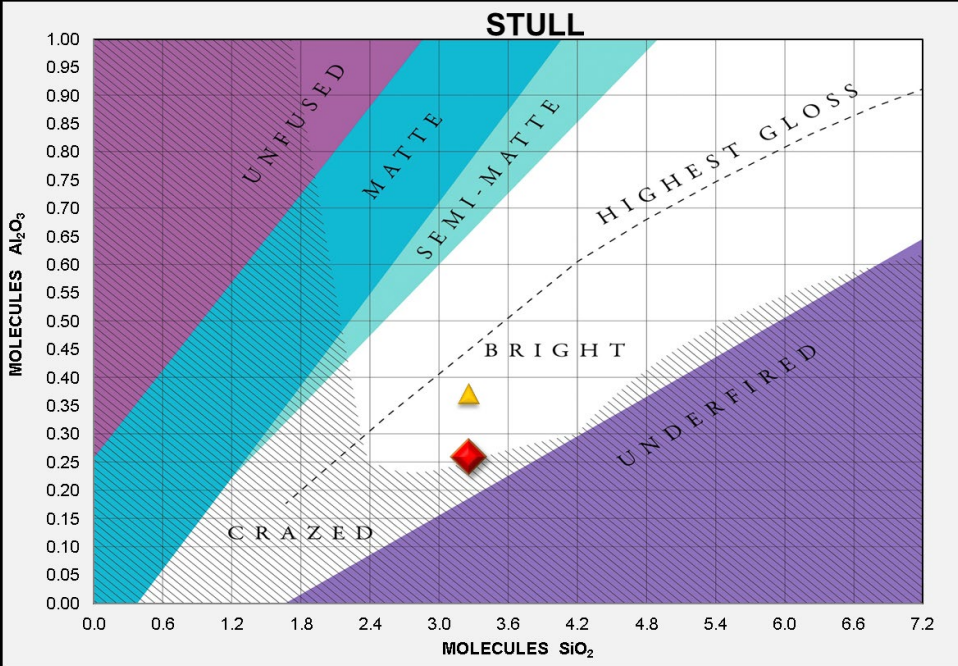
0.5%

SiO ₂ :Al ₂ O ₃ Ratio 8.75 :1		Alkali Metals 0.29		Alkaline Earths 0.71	
SiO ₂ 3.21	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.00	CaO 0.69
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.11	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.01



2%

SiO ₂ :Al ₂ O ₃ Ratio 8.75 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.26	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.01	CaO 0.69
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.11	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃ 0.04	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Cobalt Oxide(+2.92% Titanium Dioxide)

0.5%

Oxidation

Reduction

1-3 Second Dip

2-3 Second Dips

1-3 Second Dip

2-3 Second Dips

2%



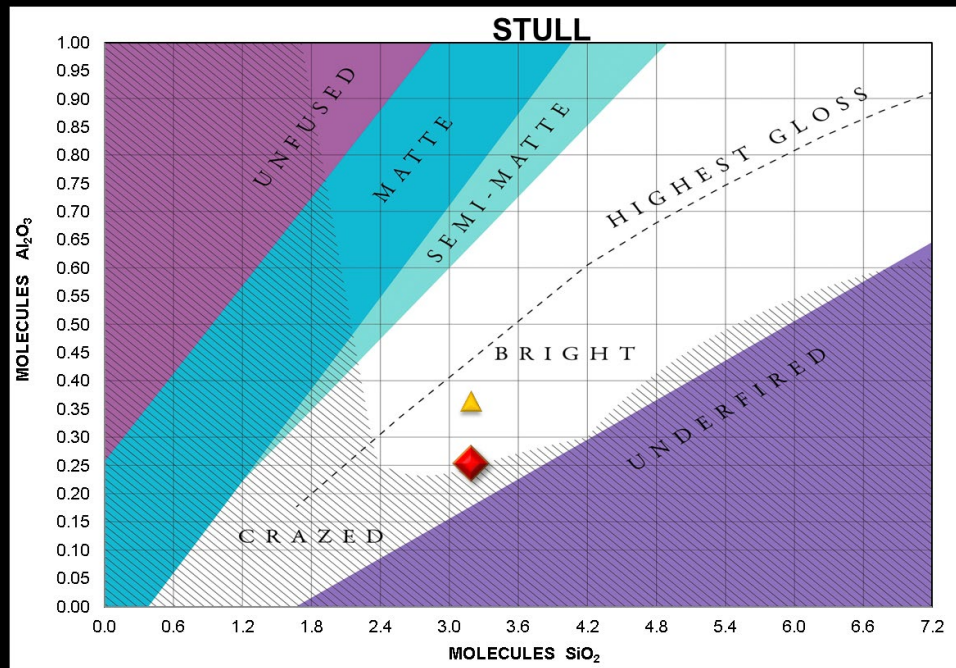
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Cobalt Oxide(+2.92% Titanium Dioxide)

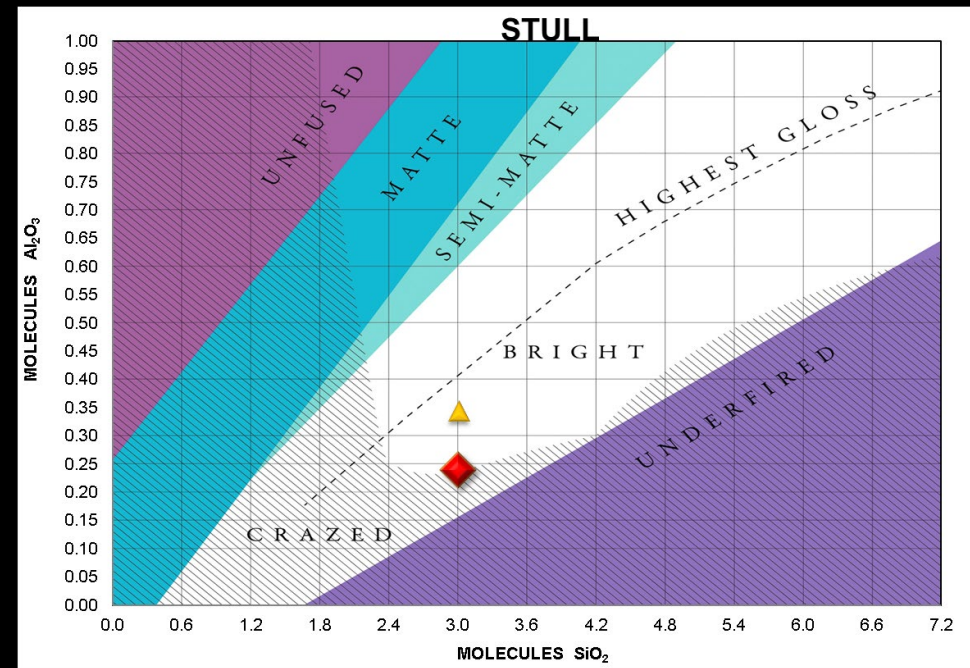
0.5%

SiO ₂ :Al ₂ O ₃ Ratio 8.75 :1		Alkali Metals 0.29		Alkaline Earths 0.71	
SiO ₂ 3.19	Collective "Al ₂ O ₃ " 0.36	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.00	CaO 0.68
B ₂ O ₃	Al ₂ O ₃ 0.25	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.11	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.02



2%

SiO ₂ :Al ₂ O ₃ Ratio 8.75 :1		Alkali Metals 0.27		Alkaline Earths 0.73	
SiO ₂ 3.01	Collective "Al ₂ O ₃ " 0.34	Na ₂ O 0.16	K ₂ O 0.04	MgO 0.00	CaO 0.64
B ₂ O ₃	Al ₂ O ₃ 0.24	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.10	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO 0.08



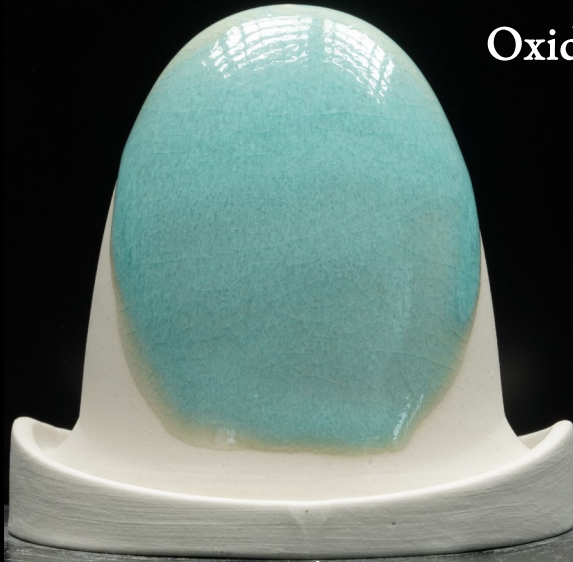
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Copper Carbonate(+2.92% Titanium Dioxide)

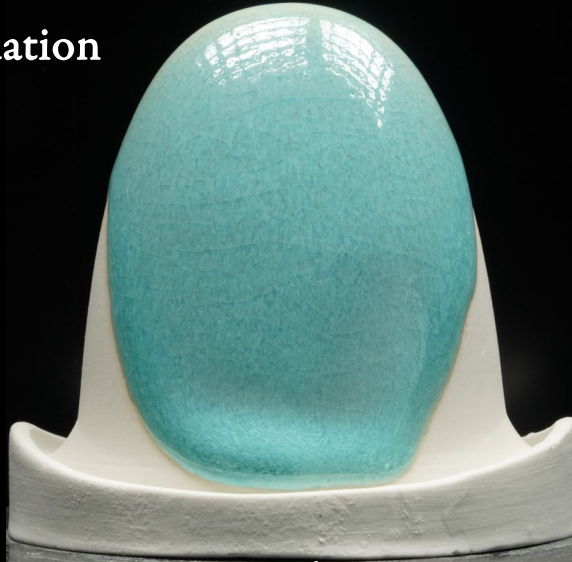
Oxidation

Reduction

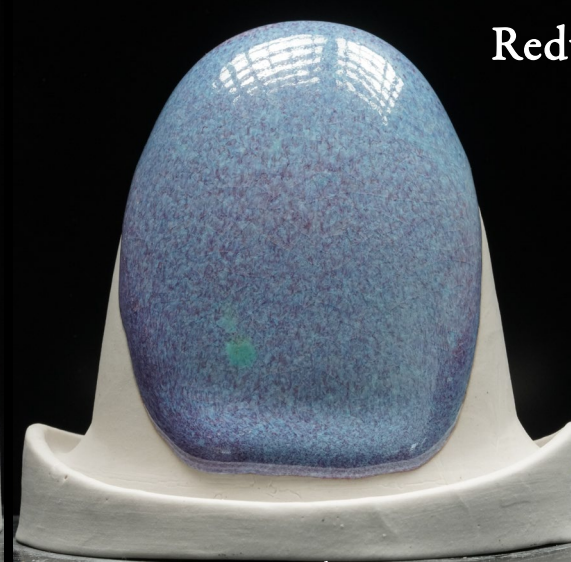
1%



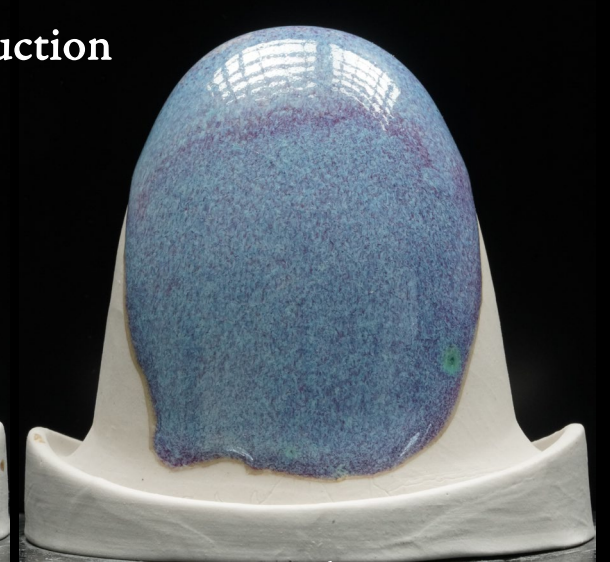
1-3 Second Dip



2-3 Second Dips



1-3 Second Dip



2-3 Second Dips

4%



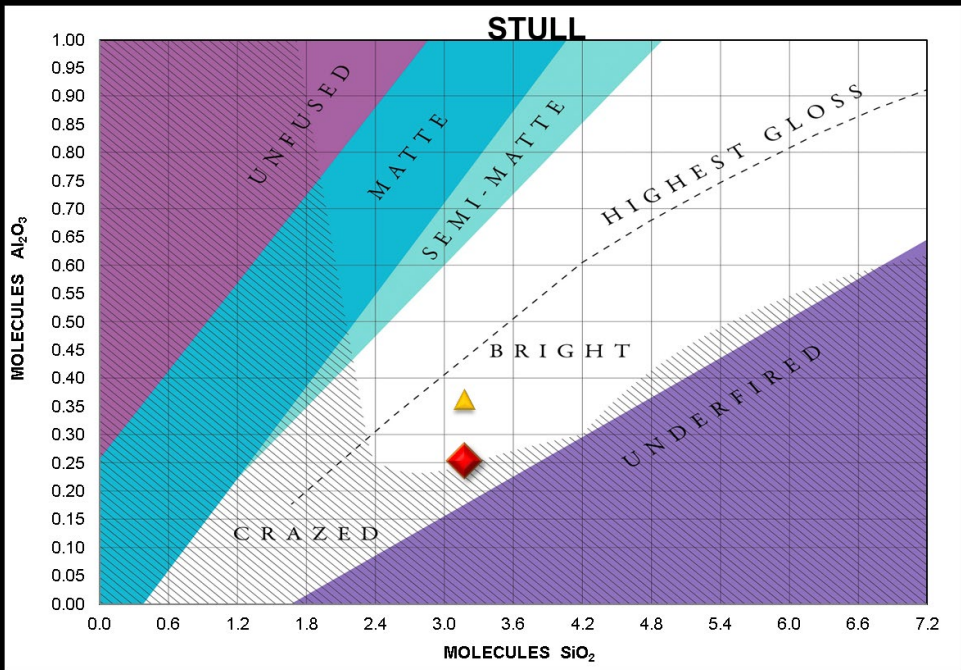
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Copper Carbonate(+2.92% Titanium Dioxide)

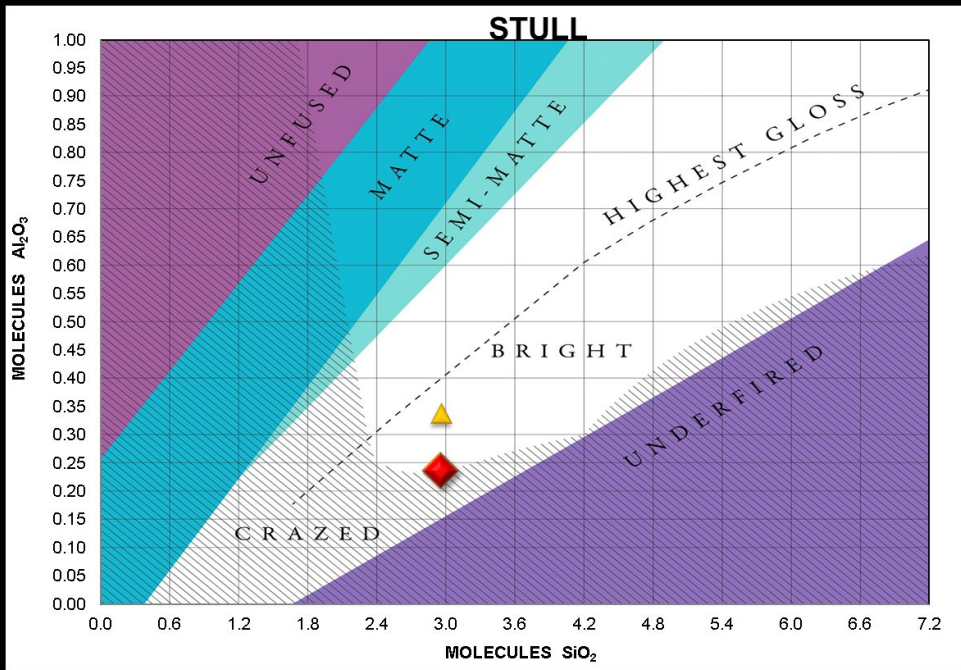
1%

SiO ₂ :Al ₂ O ₃ Ratio 8.75 :1		Alkali Metals 0.31		Alkaline Earths 0.69	
SiO ₂ 3.18	Collective "Al ₂ O ₃ " 0.36	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.00	CaO 0.68
B ₂ O ₃	Al ₂ O ₃ 0.25	Li ₂ O	CuO 0.08	SrO	BaO
TiO ₂ 0.11	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



4%

SiO ₂ :Al ₂ O ₃ Ratio 8.75 :1		Alkali Metals 0.36		Alkaline Earths 0.64	
SiO ₂ 2.96	Collective "Al ₂ O ₃ " 0.34	Na ₂ O 0.16	K ₂ O 0.04	MgO 0.00	CaO 0.63
B ₂ O ₃	Al ₂ O ₃ 0.24	Li ₂ O	CuO 0.14	SrO	BaO
TiO ₂ 0.10	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



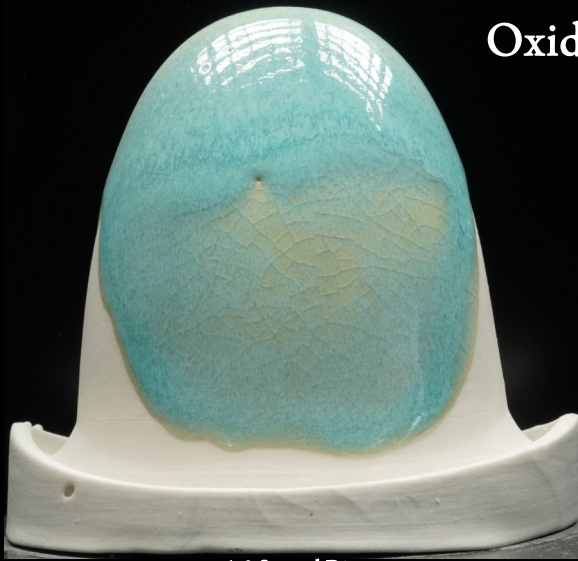
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Copper Oxide-Black(+2.92% Titanium Dioxide)

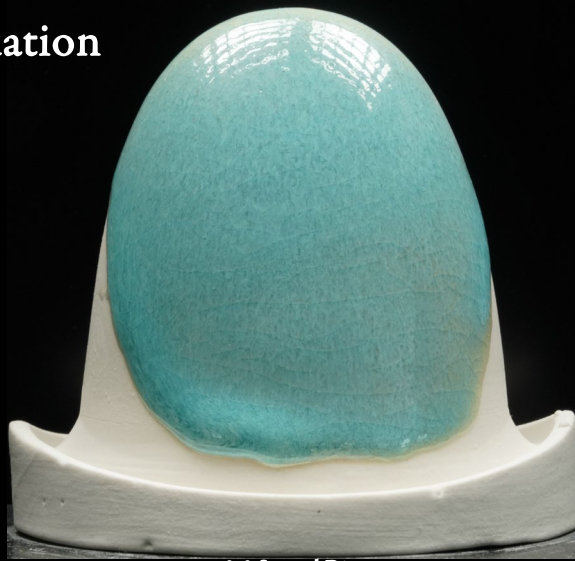
Oxidation

Reduction

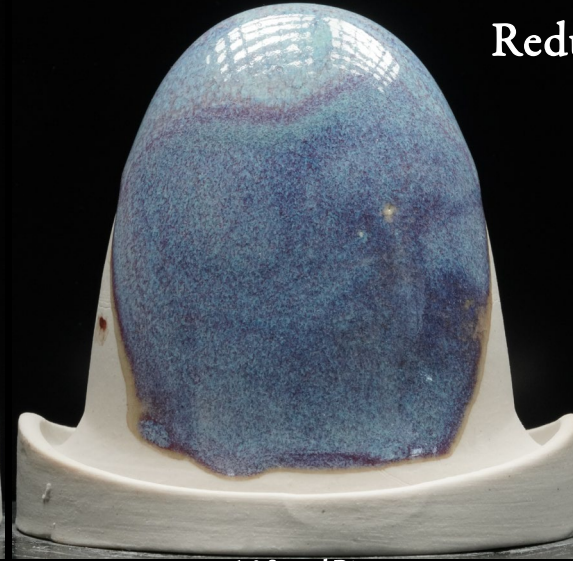
1%



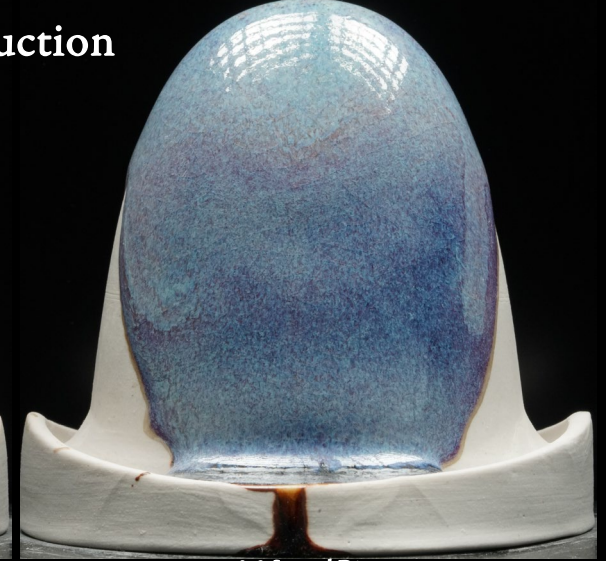
1-3 Second Dip



2-3 Second Dips



1-3 Second Dip



2-3 Second Dips

4%



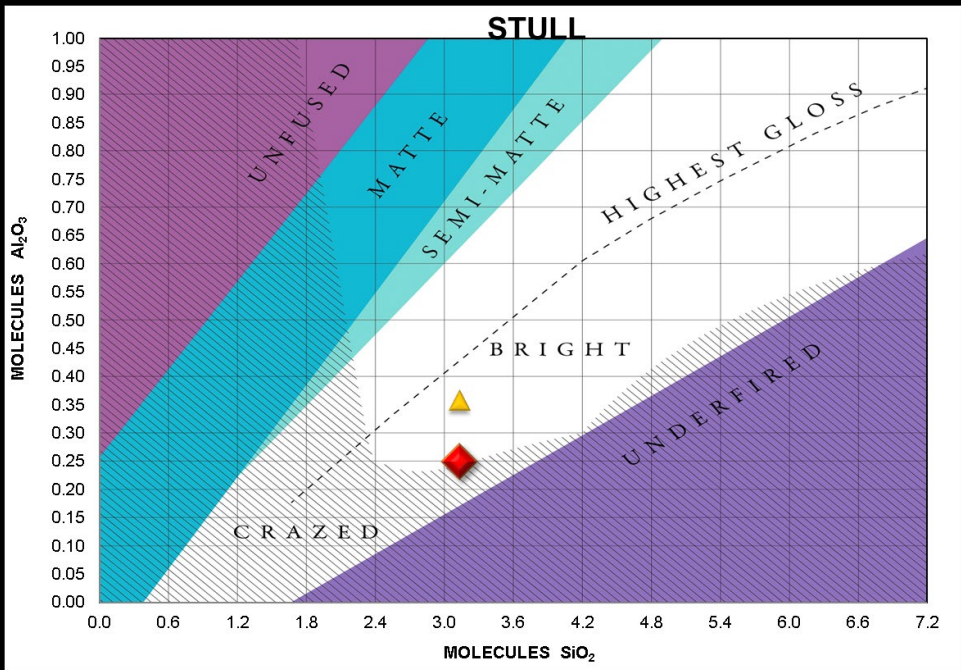
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Copper Oxide-Black(+2.92% Titanium Dioxide)

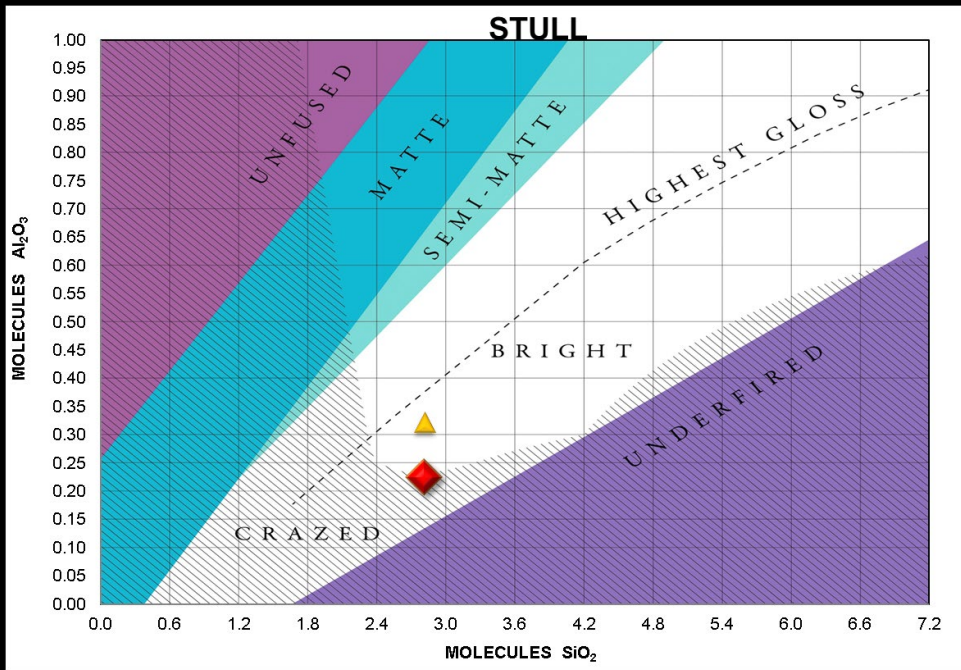
1%

SiO ₂ :Al ₂ O ₃ Ratio 8.75 :1		Alkali Metals 0.32		Alkaline Earths 0.68	
SiO ₂ 3.13	Collective "Al ₂ O ₃ " 0.36	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.00	CaO 0.67
B ₂ O ₃	Al ₂ O ₃ 0.25	Li ₂ O	CuO 0.09	SrO	BaO
TiO ₂ 0.11	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



4%

SiO ₂ :Al ₂ O ₃ Ratio 8.75 :1		Alkali Metals 0.39		Alkaline Earths 0.61	
SiO ₂ 2.82	Collective "Al ₂ O ₃ " 0.32	Na ₂ O 0.15	K ₂ O 0.04	MgO 0.00	CaO 0.60
B ₂ O ₃	Al ₂ O ₃ 0.22	Li ₂ O	CuO 0.18	SrO	BaO
TiO ₂ 0.10	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



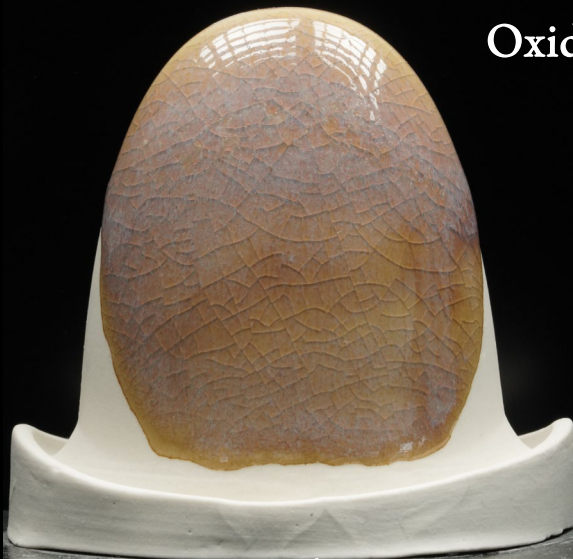
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Red Iron Oxide(+2.92% Titanium Dioxide)

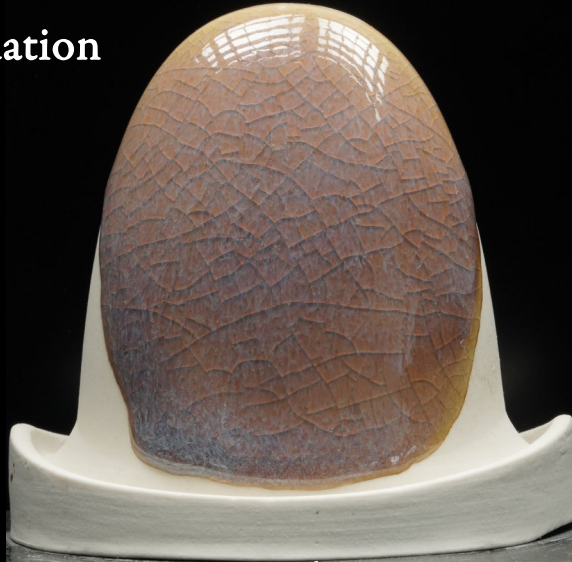
Oxidation

Reduction

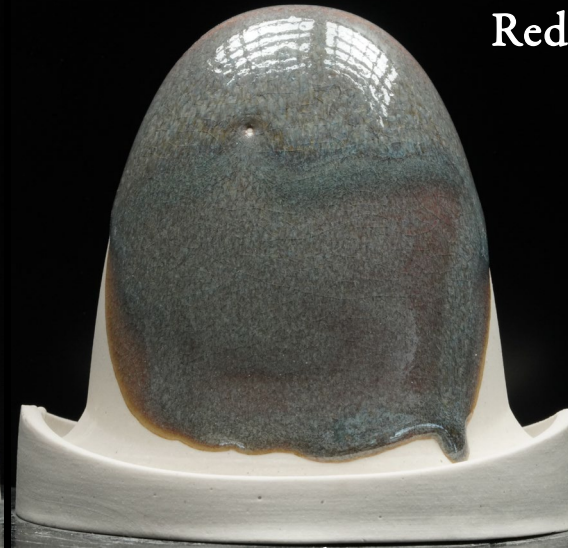
3%



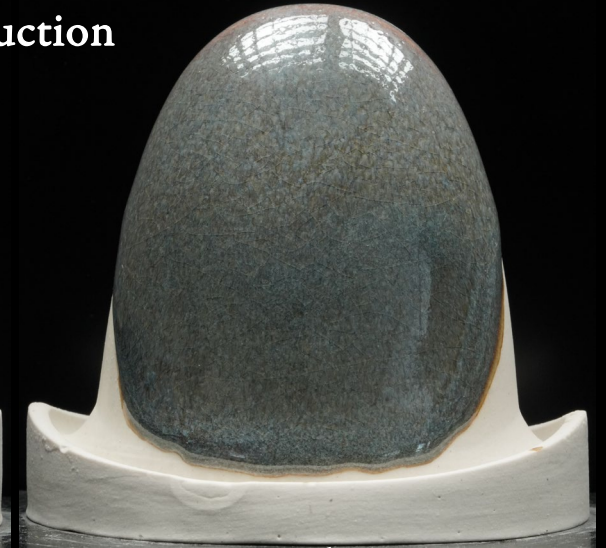
1-3 Second Dip



2-3 Second Dips

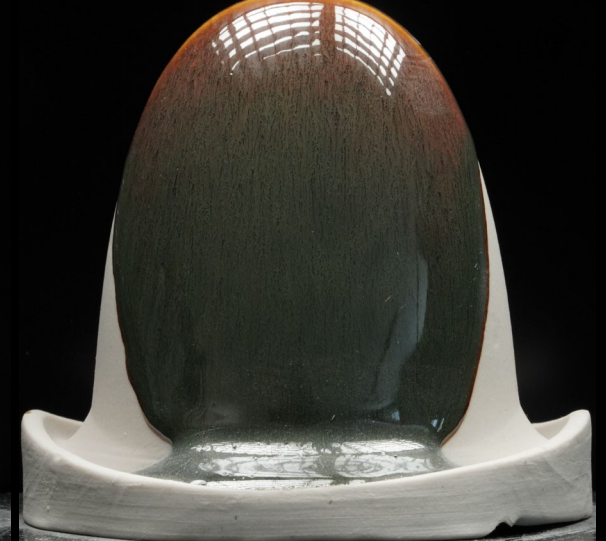
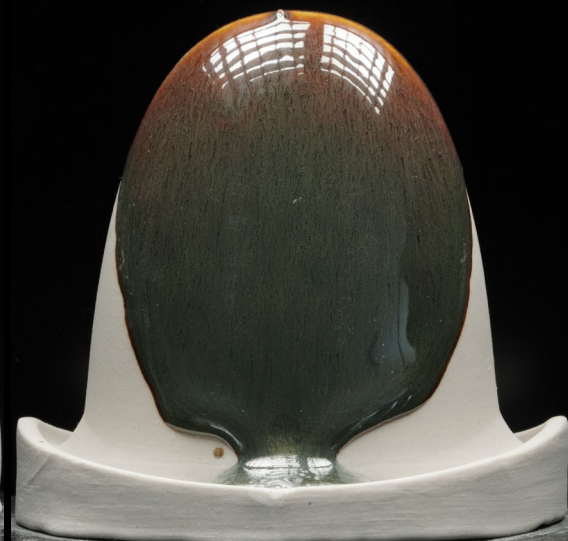


1-3 Second Dip



2-3 Second Dips

9%



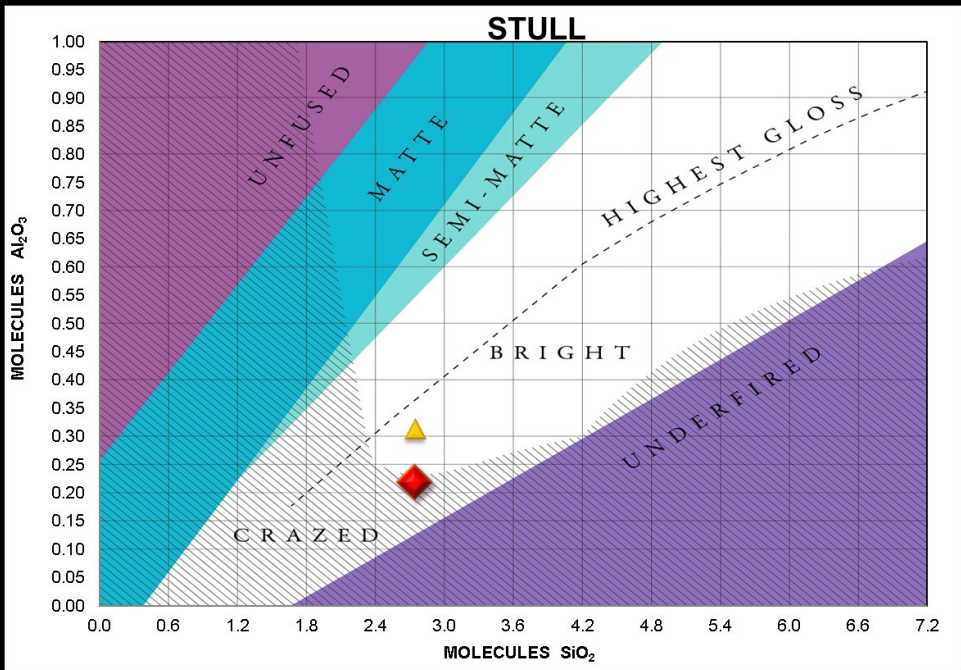
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Red Iron Oxide(+2.92% Titanium Dioxide)

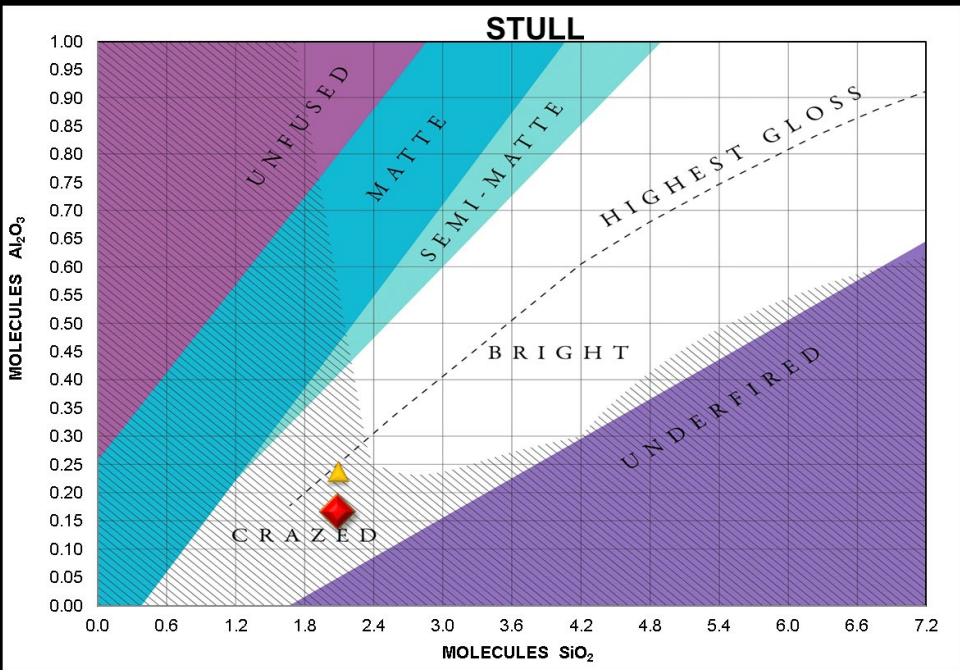
3%

SiO ₂ :Al ₂ O ₃ Ratio 8.75 :1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO ₂ 2.75	Collective "Al ₂ O ₃ " 0.31	Na ₂ O 0.15	K ₂ O 0.04	MgO 0.00	CaO 0.59
B ₂ O ₃	Al ₂ O ₃ 0.22	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.10	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.16
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



9%

SiO ₂ :Al ₂ O ₃ Ratio 8.75 :1		Alkali Metals 0.19		Alkaline Earths 0.81	
SiO ₂ 2.09	Collective "Al ₂ O ₃ " 0.24	Na ₂ O 0.11	K ₂ O 0.03	MgO 0.00	CaO 0.45
B ₂ O ₃	Al ₂ O ₃ 0.17	Li ₂ O	CuO 0.03	SrO	BaO
TiO ₂ 0.07	NiO	Bi ₂ O ₃	SnO ₂ 0.01	ZnO	FeO 0.36
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO

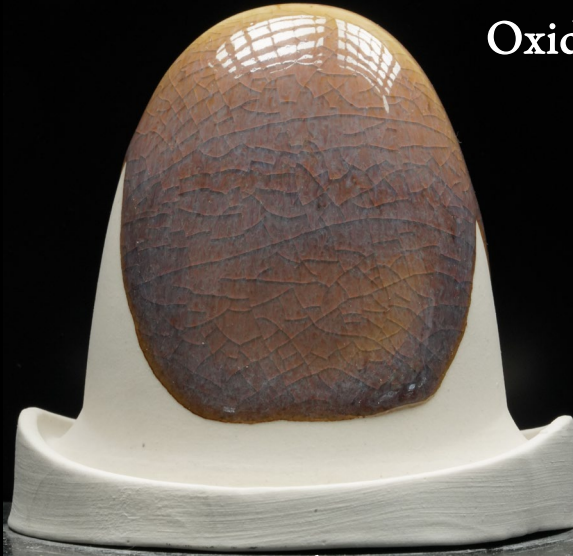


Black Iron Oxide(+2.92% Titanium Dioxide)

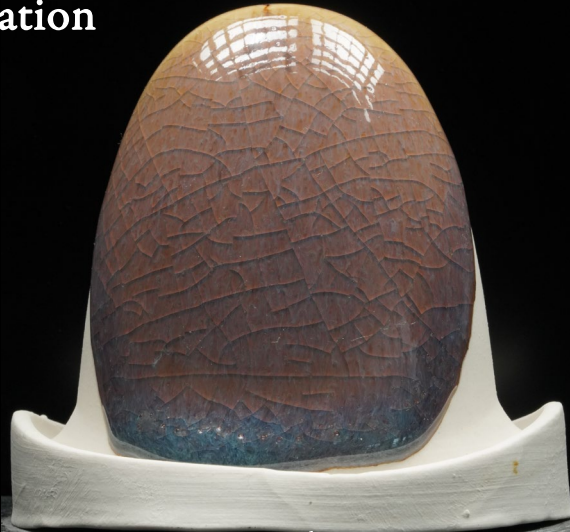
Oxidation

Reduction

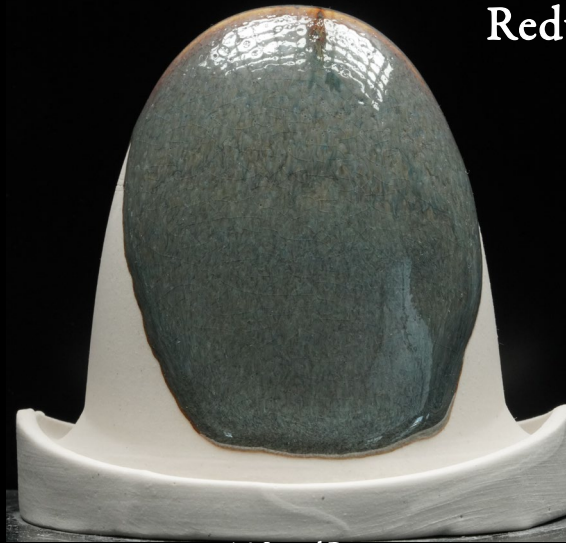
3%



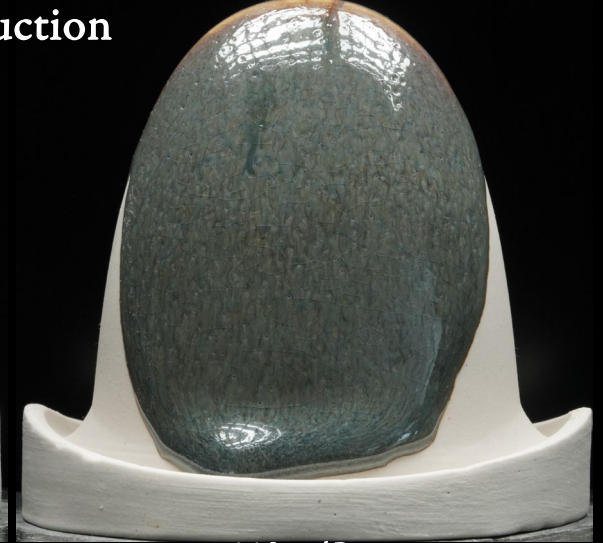
1-3 Second Dip



2-3 Second Dips



1-3 Second Dip



2-3 Second Dips

9%



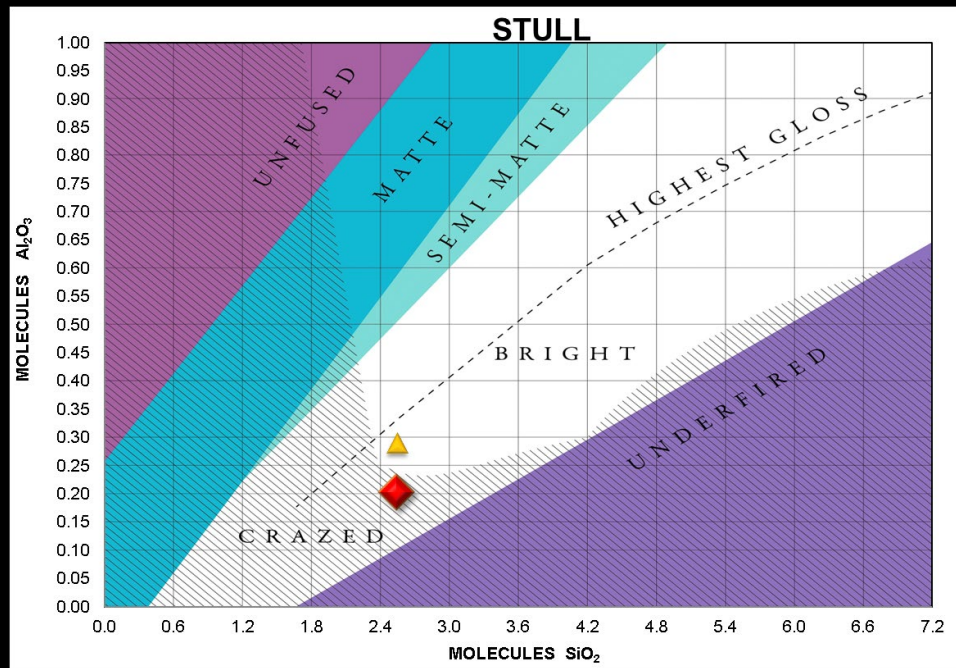
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Black Iron Oxide(+2.92% Titanium Dioxide)

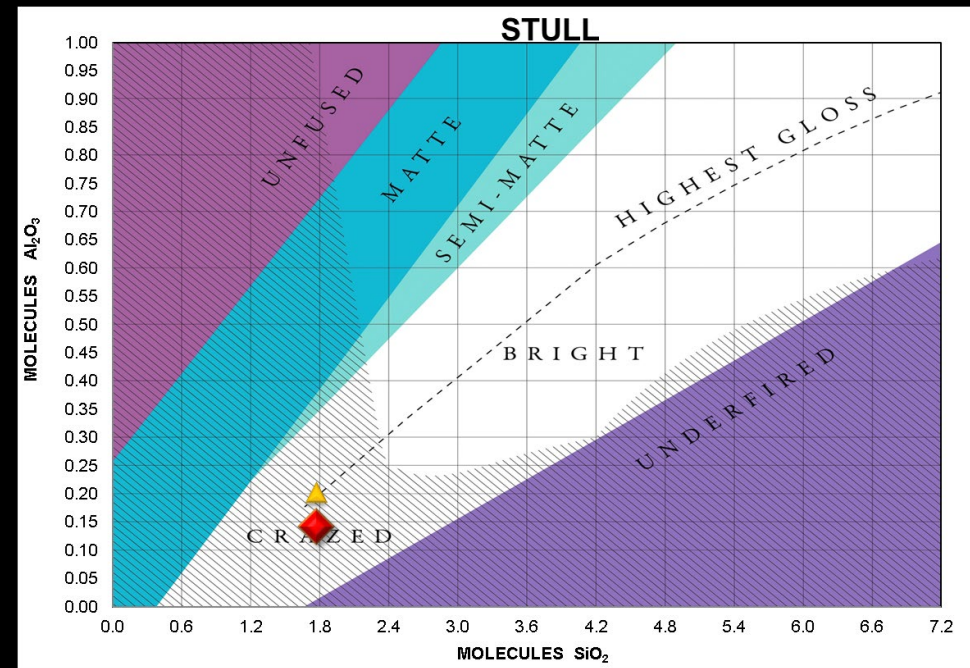
3%

SiO ₂ :Al ₂ O ₃ Ratio 8.75 :1		Alkali Metals 0.23		Alkaline Earths 0.77	
SiO ₂ 2.55	Collective "Al ₂ O ₃ " 0.29	Na ₂ O 0.14	K ₂ O 0.04	MgO 0.00	CaO 0.54
B ₂ O ₃	Al ₂ O ₃ 0.20	Li ₂ O	CuO 0.04	SrO	BaO
TiO ₂ 0.09	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.22
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



9%

SiO ₂ :Al ₂ O ₃ Ratio 8.75 :1		Alkali Metals 0.16		Alkaline Earths 0.84	
SiO ₂ 1.77	Collective "Al ₂ O ₃ " 0.20	Na ₂ O 0.09	K ₂ O 0.03	MgO 0.00	CaO 0.38
B ₂ O ₃	Al ₂ O ₃ 0.14	Li ₂ O	CuO 0.03	SrO	BaO
TiO ₂ 0.06	NiO	Bi ₂ O ₃	SnO ₂ 0.01	ZnO	FeO 0.46
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



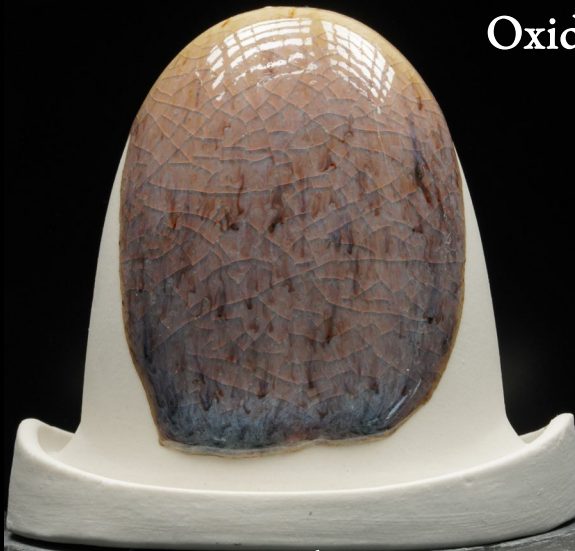
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Yellow Iron Oxide(+2.92% Titanium Dioxide)

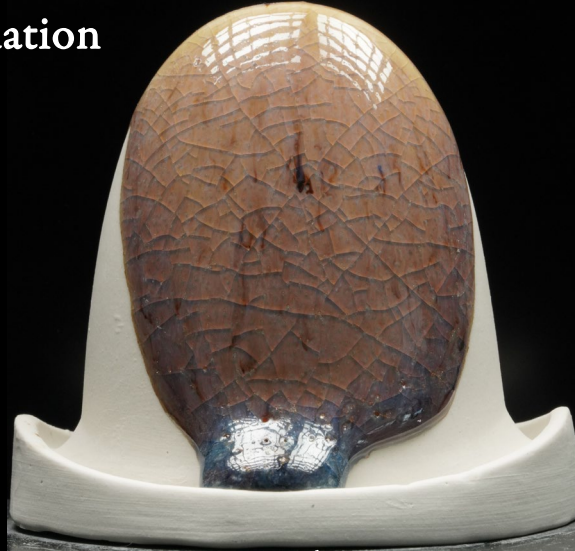
Oxidation

Reduction

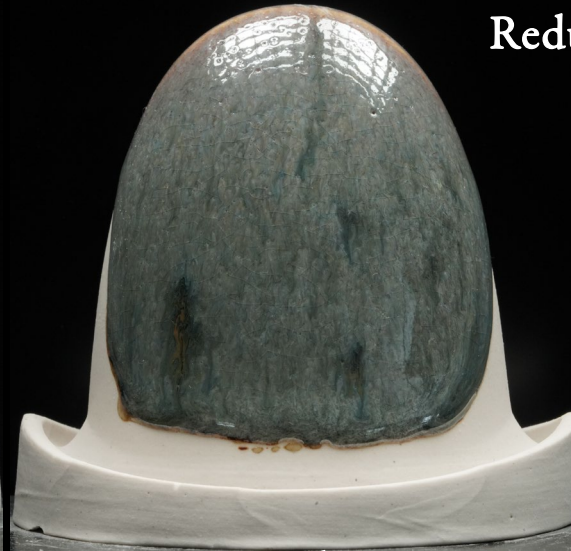
3%



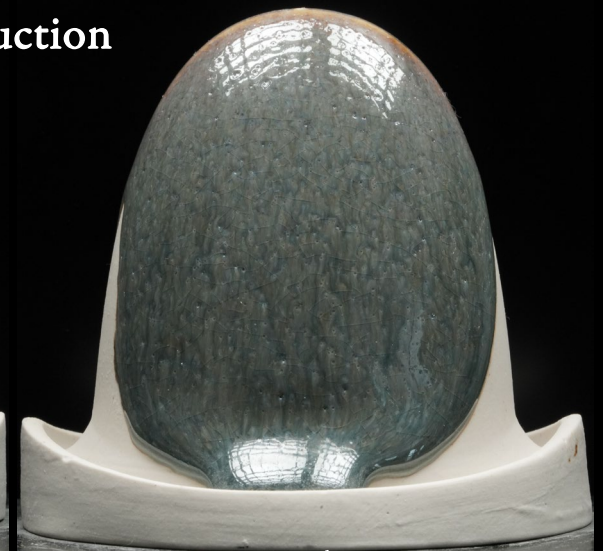
1-3 Second Dip



2-3 Second Dips



1-3 Second Dip



2-3 Second Dips

9%



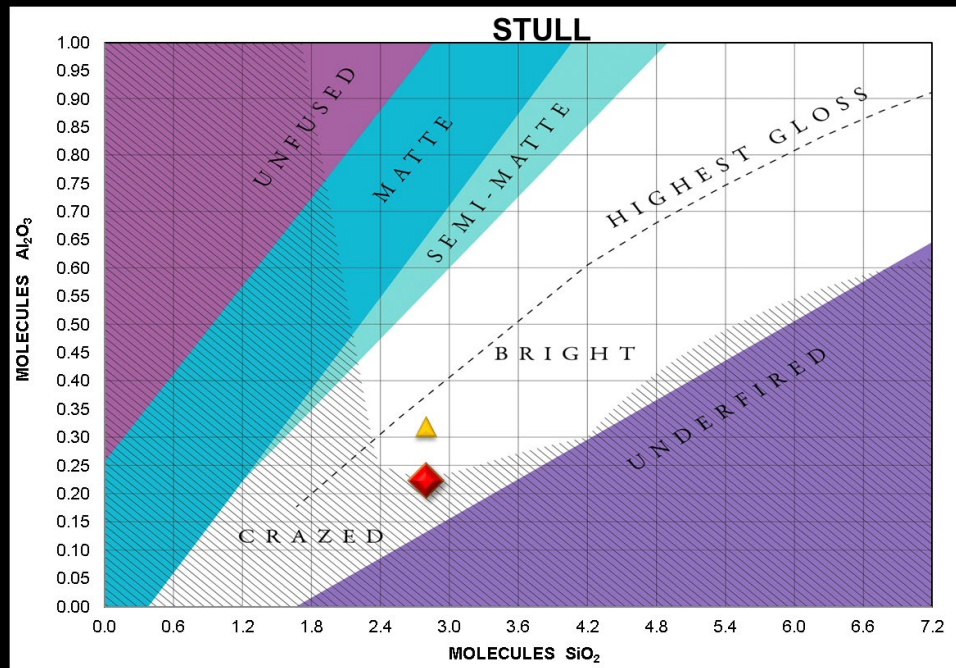
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Yellow Iron Oxide(+2.92% Titanium Dioxide)

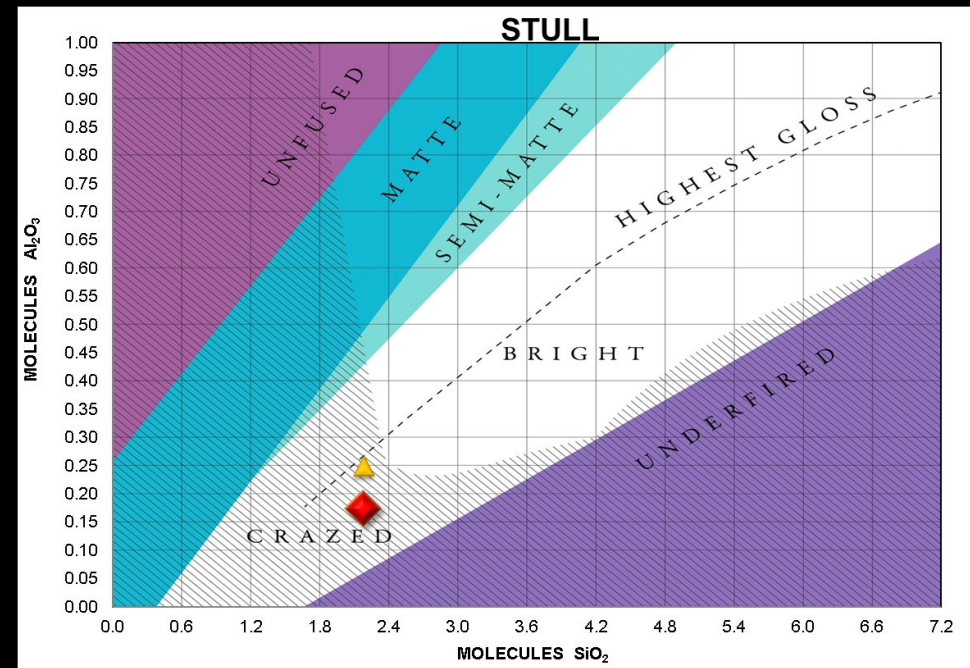
3%

SiO ₂ :Al ₂ O ₃ Ratio 8.75 :1		Alkali Metals 0.26		Alkaline Earths 0.74	
SiO ₂ 2.80	Collective "Al ₂ O ₃ " 0.32	Na ₂ O 0.15	K ₂ O 0.04	MgO 0.00	CaO 0.60
B ₂ O ₃	Al ₂ O ₃ 0.22	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.10	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.14
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



9%

SiO ₂ :Al ₂ O ₃ Ratio 8.75 :1		Alkali Metals 0.20		Alkaline Earths 0.80	
SiO ₂ 2.18	Collective "Al ₂ O ₃ " 0.25	Na ₂ O 0.12	K ₂ O 0.03	MgO 0.00	CaO 0.47
B ₂ O ₃	Al ₂ O ₃ 0.17	Li ₂ O	CuO 0.04	SrO	BaO
TiO ₂ 0.08	NiO	Bi ₂ O ₃	SnO ₂ 0.01	ZnO	FeO 0.33
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



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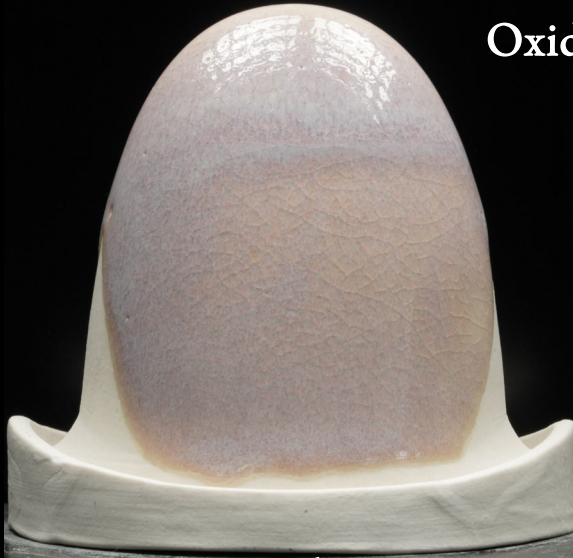
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Manganese Dioxide(+2.92% Titanium Dioxide)

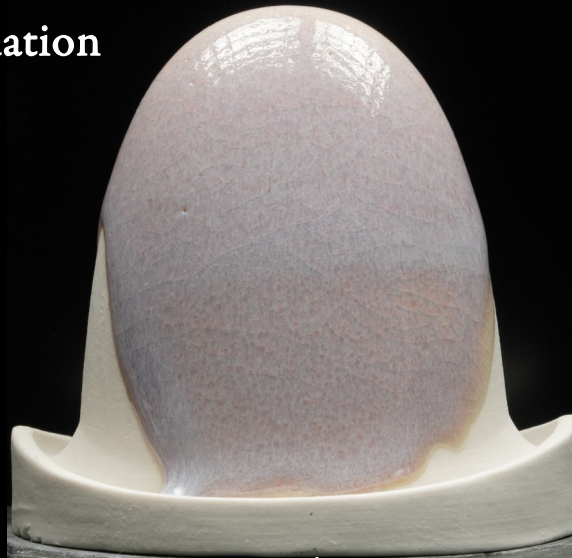
Oxidation

Reduction

1%



1-3 Second Dip



2-3 Second Dips



1-3 Second Dip



2-3 Second Dips

4%



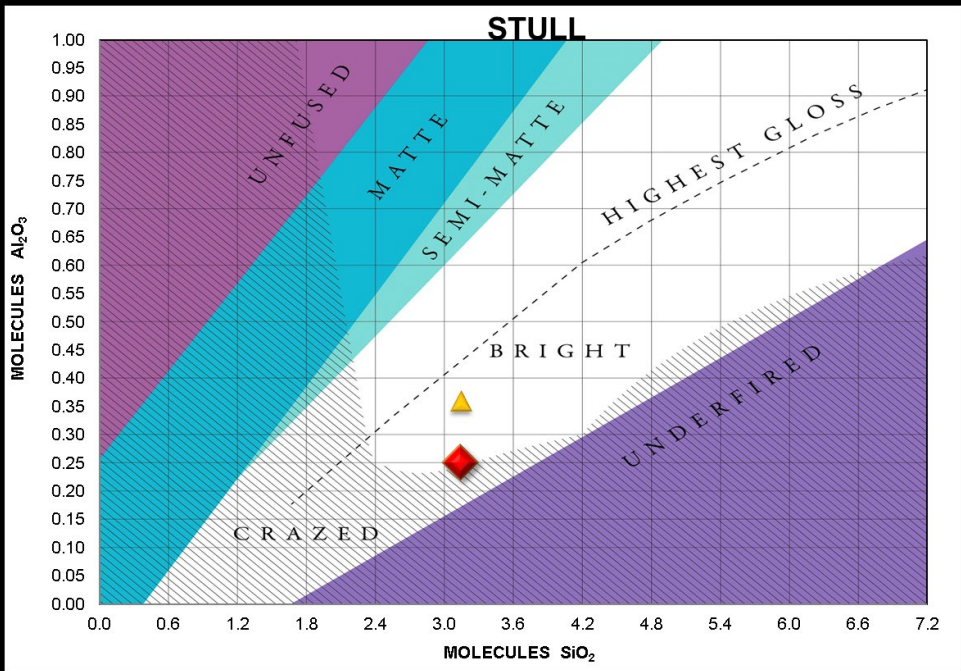
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Manganese Dioxide(+2.92% Titanium Dioxide)

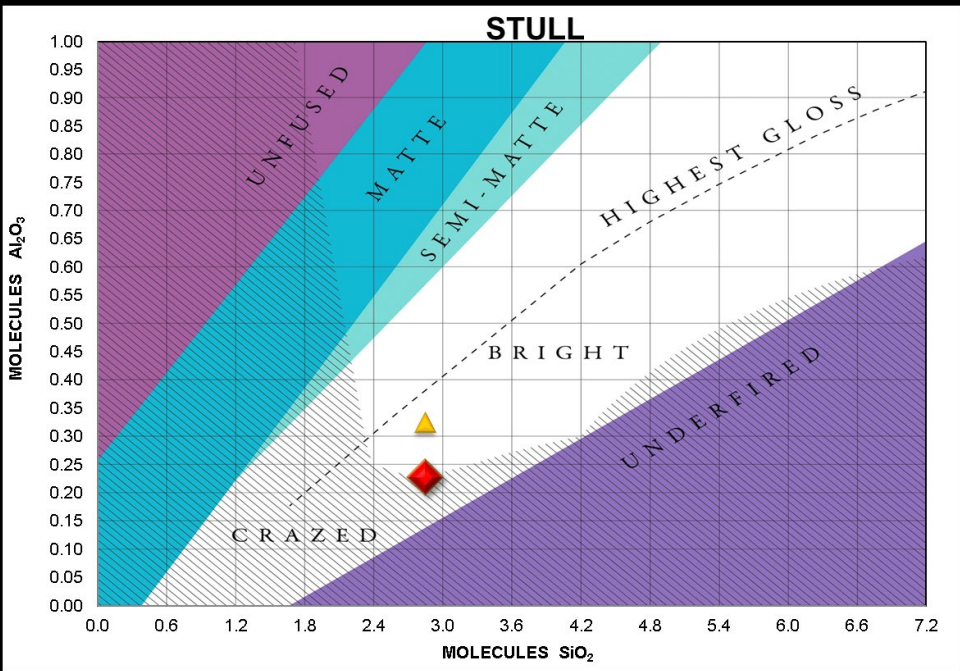
1%

SiO ₂ :Al ₂ O ₃ Ratio 8.75 :1		Alkali Metals 0.29		Alkaline Earths 0.71	
SiO ₂ 3.14	Collective "Al ₂ O ₃ " 0.36	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.00	CaO 0.67
B ₂ O ₃	Al ₂ O ₃ 0.25	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.11	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂ 0.03	CoO



4%

SiO ₂ :Al ₂ O ₃ Ratio 8.75 :1		Alkali Metals 0.26		Alkaline Earths 0.74	
SiO ₂ 2.85	Collective "Al ₂ O ₃ " 0.33	Na ₂ O 0.15	K ₂ O 0.04	MgO 0.00	CaO 0.61
B ₂ O ₃	Al ₂ O ₃ 0.23	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.10	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂ 0.12	CoO



Vanadium Pentoxide(+2.92% Titanium Dioxide)

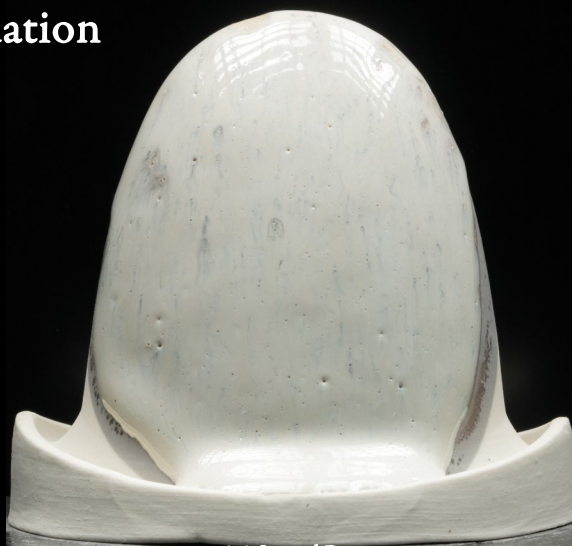
Oxidation

Reduction

3%



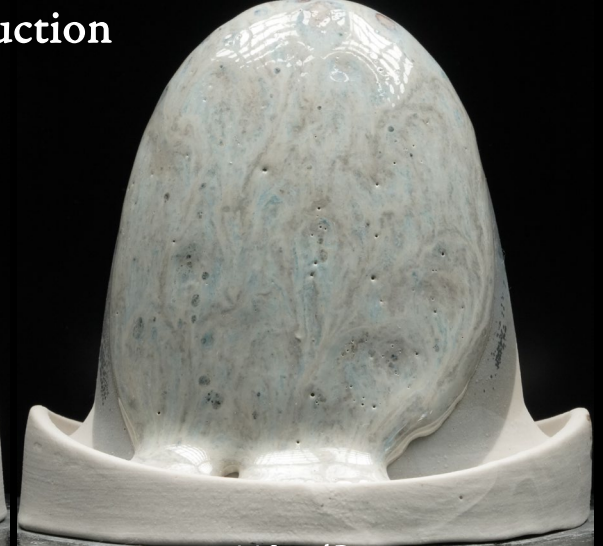
1-3 Second Dip



2-3 Second Dips



1-3 Second Dip



2-3 Second Dips

9%



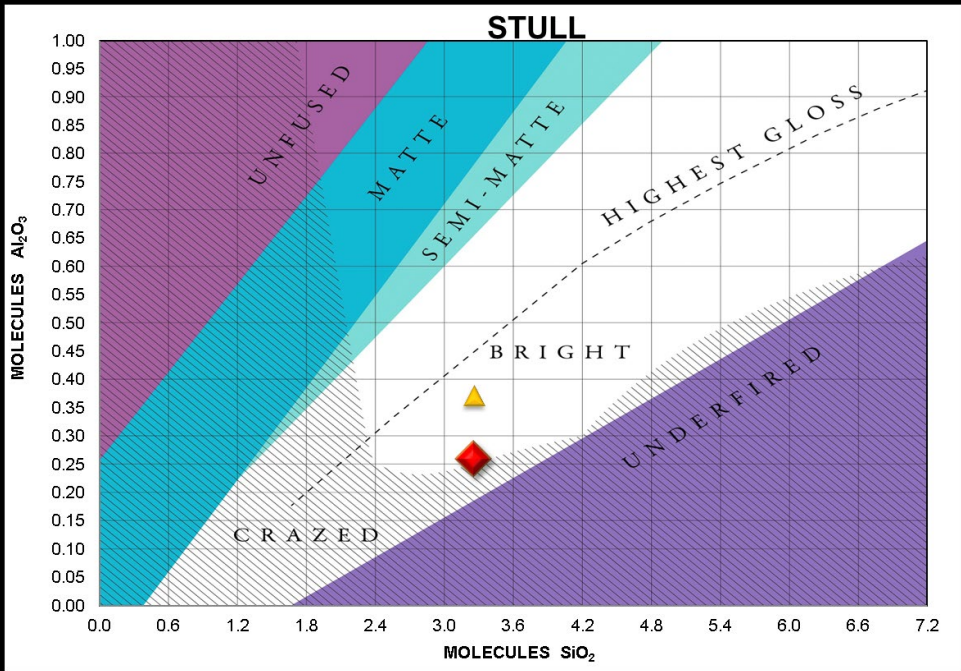
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Vanadium Pentoxide(+2.92% Titanium Dioxide)

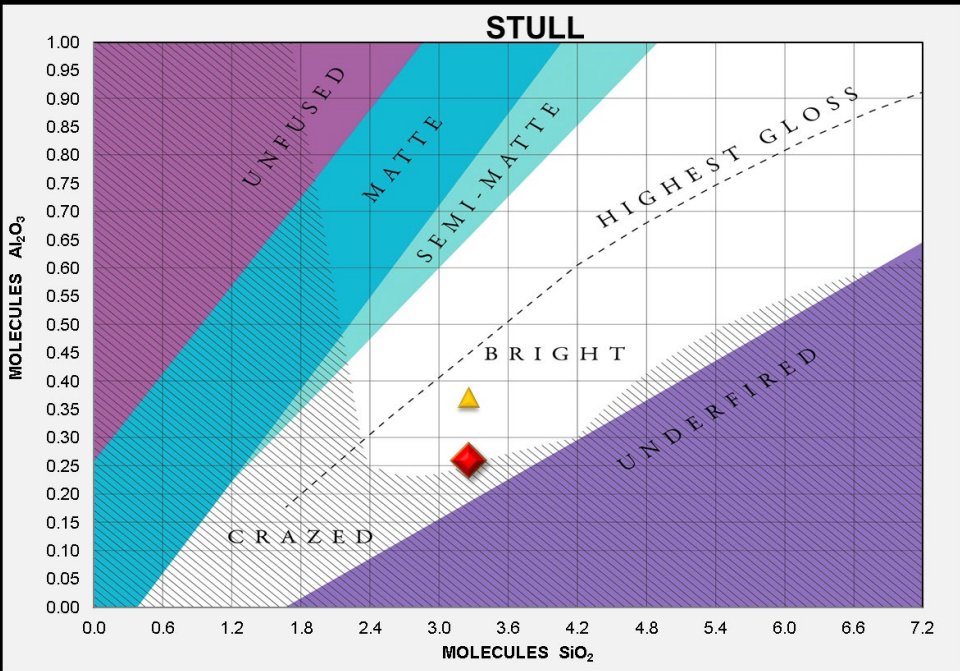
3%

SiO ₂ :Al ₂ O ₃ Ratio 8.75 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.26	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.01	CaO 0.69
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.11	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃ 0.01	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



9%

SiO ₂ :Al ₂ O ₃ Ratio 8.75 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.26	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.01	CaO 0.69
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.11	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃ 0.04	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Dark Rutile(+2.92% Titanium Dioxide)

Oxidation

Reduction

3%



1-3 Second Dip



2-3 Second Dips



1-3 Second Dip



2-3 Second Dips

9%



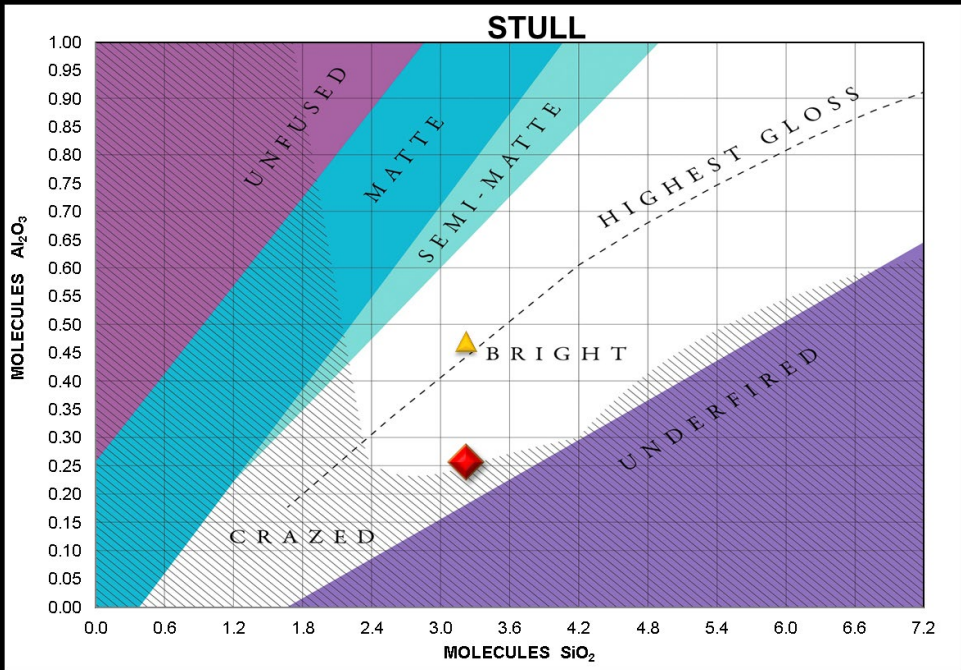
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Dark Rutile(+2.92% Titanium Dioxide)

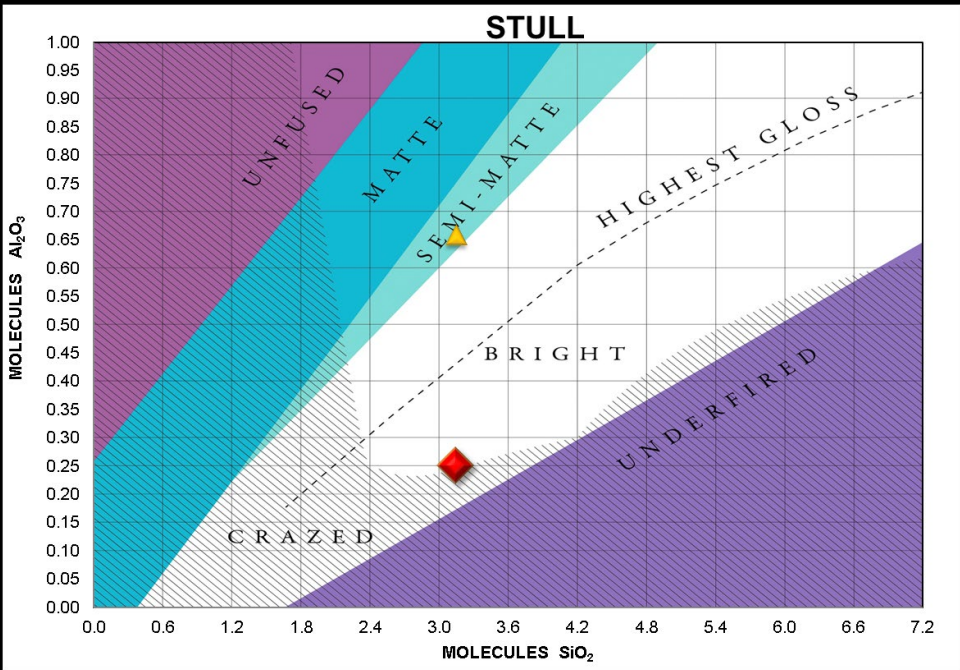
3%

SiO ₂ :Al ₂ O ₃ Ratio 6.84 :1		Alkali Metals 0.29		Alkaline Earths 0.71	
SiO ₂ 3.22	Collective "Al ₂ O ₃ " 0.47	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.00	CaO 0.69
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.21	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.02
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



9%

SiO ₂ :Al ₂ O ₃ Ratio 4.77 :1		Alkali Metals 0.29		Alkaline Earths 0.71	
SiO ₂ 3.15	Collective "Al ₂ O ₃ " 0.66	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.00	CaO 0.67
B ₂ O ₃	Al ₂ O ₃ 0.25	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.41	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.04
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Light Rutile(+2.92% Titanium Dioxide)

Oxidation

Reduction

3%



1-3 Second Dip



2-3 Second Dips



1-3 Second Dip



2-3 Second Dips

9%



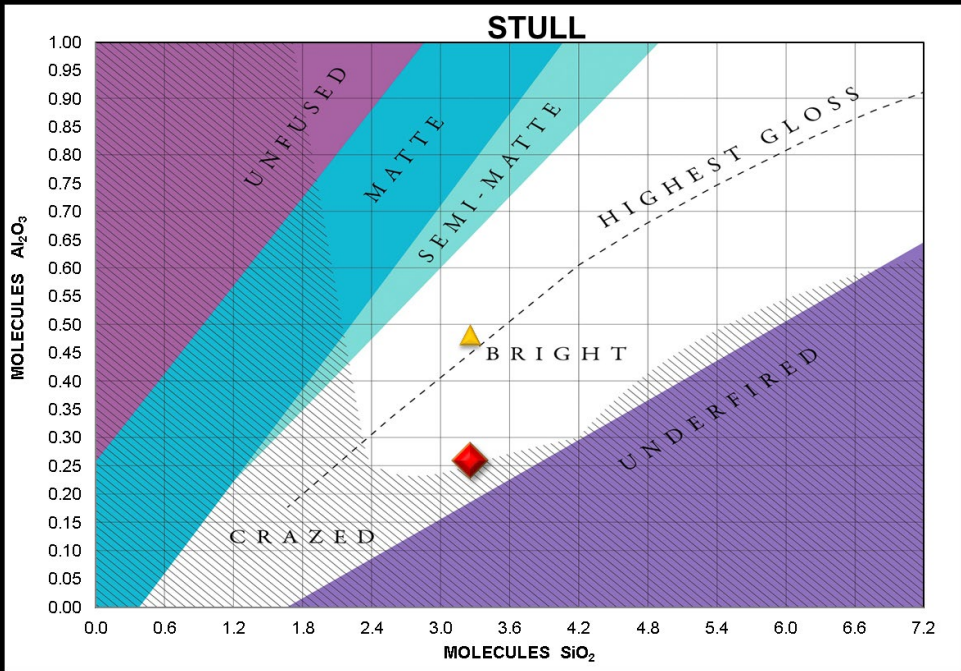
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Light Rutile(+2.92% Titanium Dioxide)

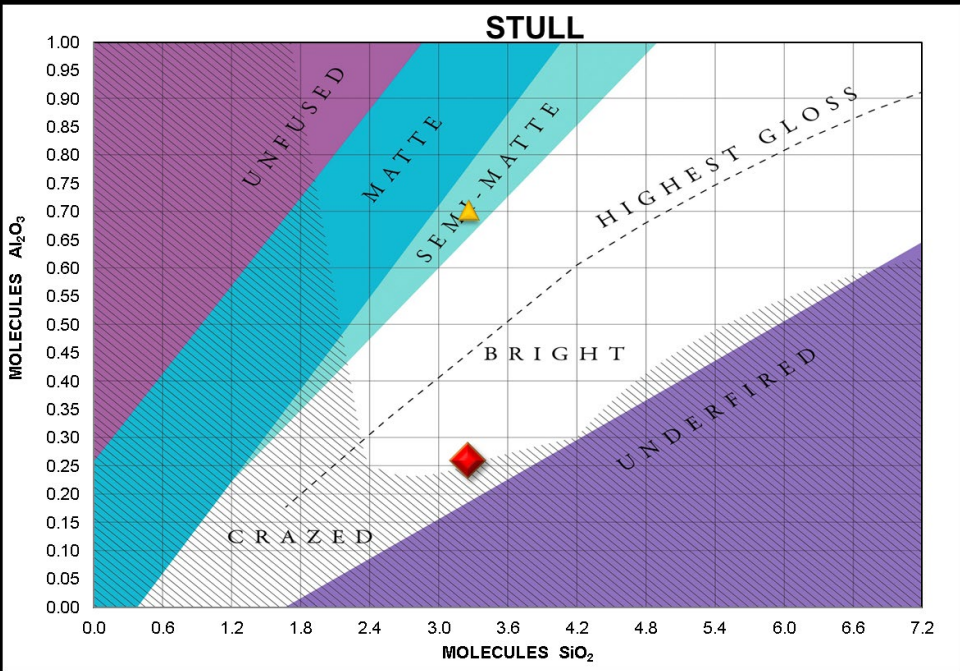
3%

SiO ₂ :Al ₂ O ₃ Ratio 6.74 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.26	Collective "Al ₂ O ₃ " 0.48	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.01	CaO 0.69
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.22	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



9%

SiO ₂ :Al ₂ O ₃ Ratio 4.62 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.25	Collective "Al ₂ O ₃ " 0.70	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.01	CaO 0.69
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.44	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Titanium Dioxide(+2.92% Titanium Dioxide)

Oxidation

Reduction

3%



1-3 Second Dip



2-3 Second Dips



1-3 Second Dip



2-3 Second Dips

9%



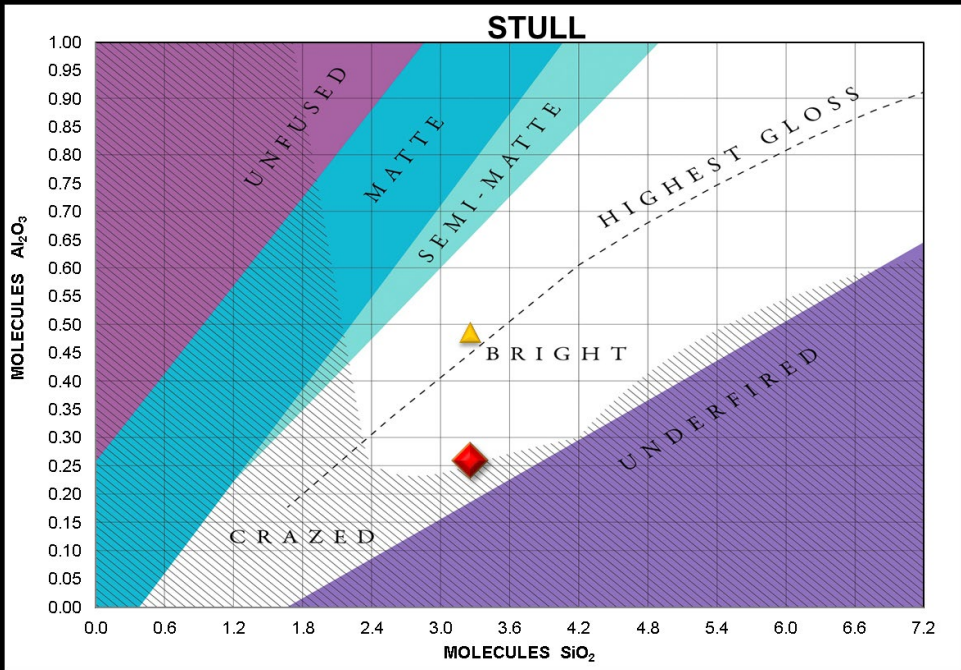
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Titanium Dioxide(+2.92% Titanium Dioxide)

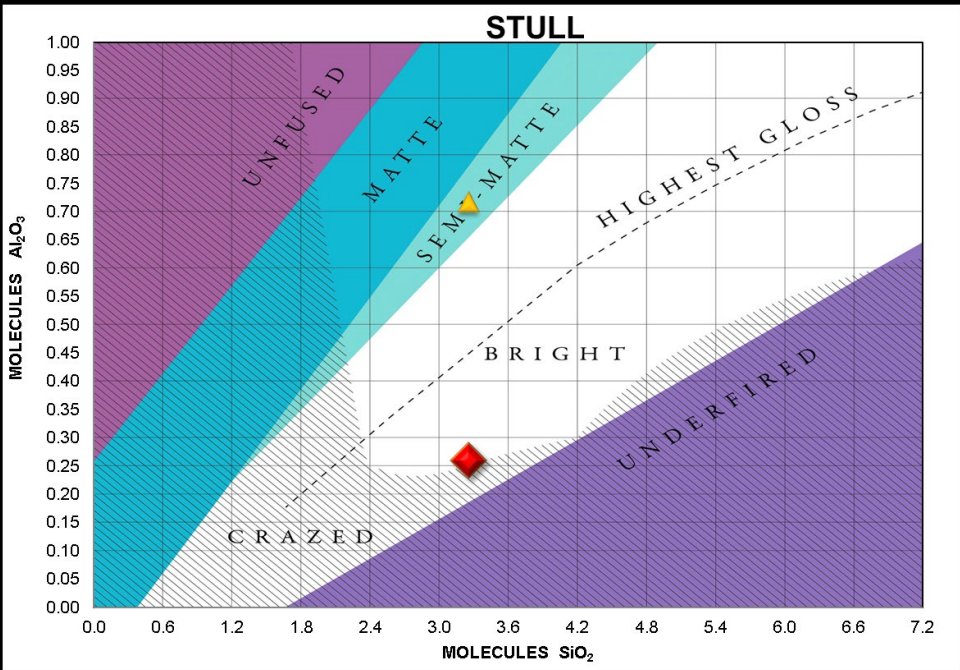
3%

SiO ₂ :Al ₂ O ₃ Ratio 6.68 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.26	Collective "Al ₂ O ₃ " 0.49	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.01	CaO 0.69
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.23	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



9%

SiO ₂ :Al ₂ O ₃ Ratio 4.54 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.26	Collective "Al ₂ O ₃ " 0.72	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.01	CaO 0.69
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.46	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO

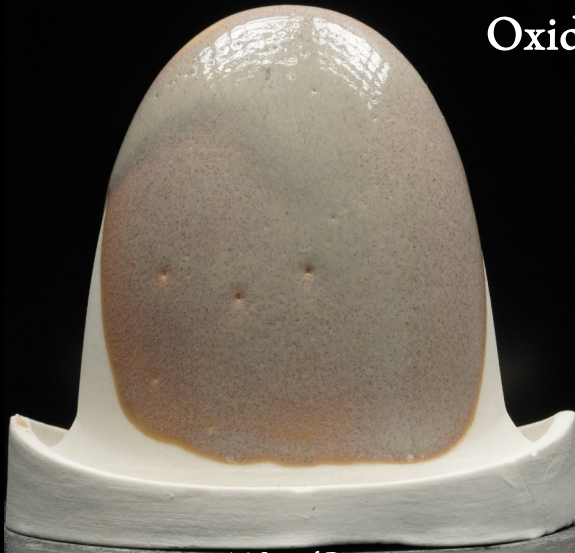


Nickel Carbonate(+2.92% Titanium Dioxide)

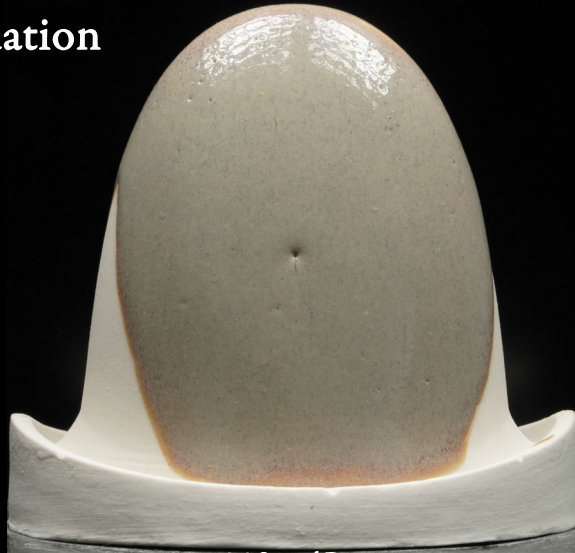
Oxidation

Reduction

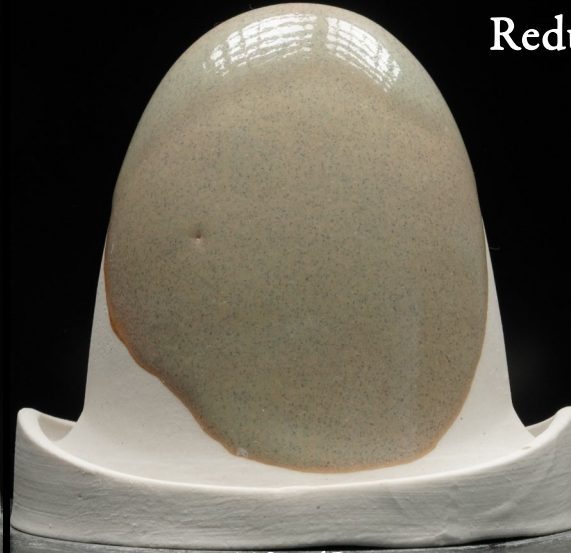
2%



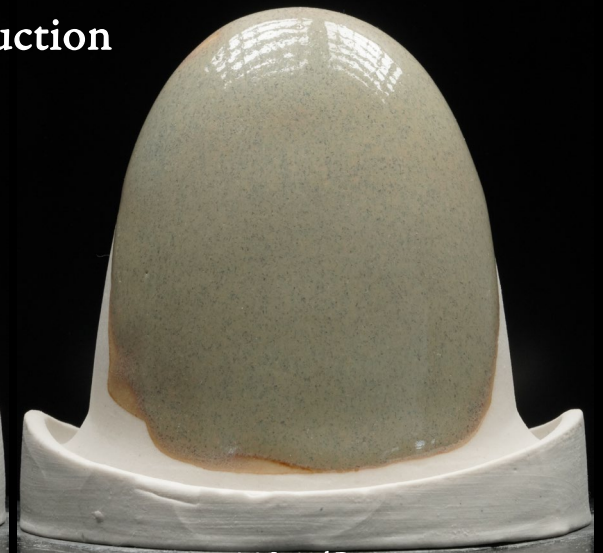
1-3 Second Dip



2-3 Second Dips



1-3 Second Dip



2-3 Second Dips

6%



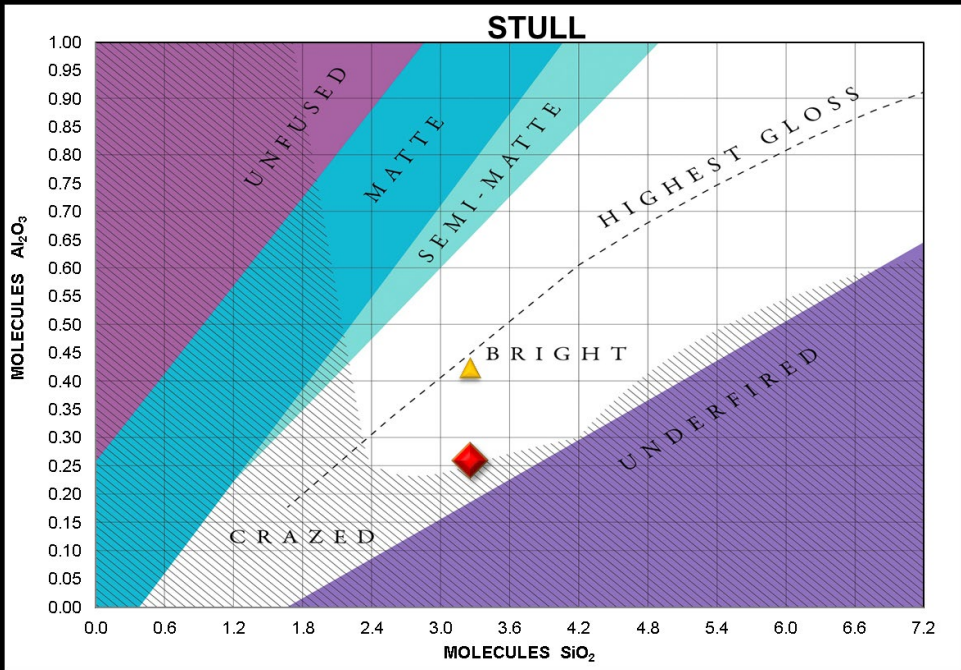
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Nickel Carbonate(+2.92% Titanium Dioxide) Chem

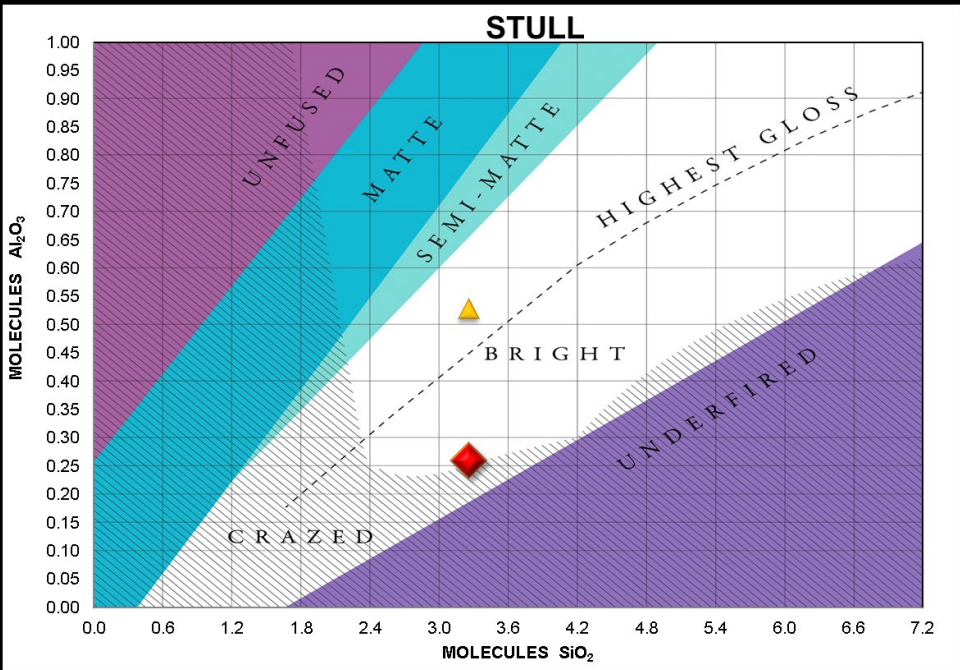
2%

SiO ₂ :Al ₂ O ₃ Ratio 7.67 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.26	Collective "Al ₂ O ₃ " 0.42	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.01	CaO 0.69
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.11	NiO 0.05	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



6%

SiO ₂ :Al ₂ O ₃ Ratio 6.15 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.26	Collective "Al ₂ O ₃ " 0.53	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.01	CaO 0.69
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.11	NiO 0.16	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



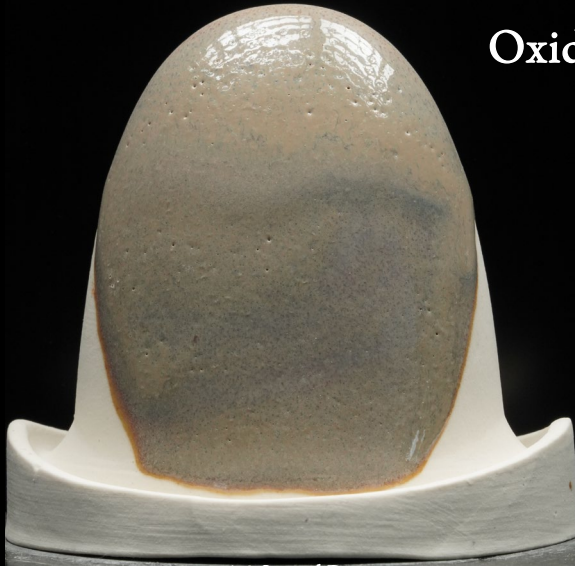
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Nickel Oxide-Black(+2.92% Titanium Dioxide)

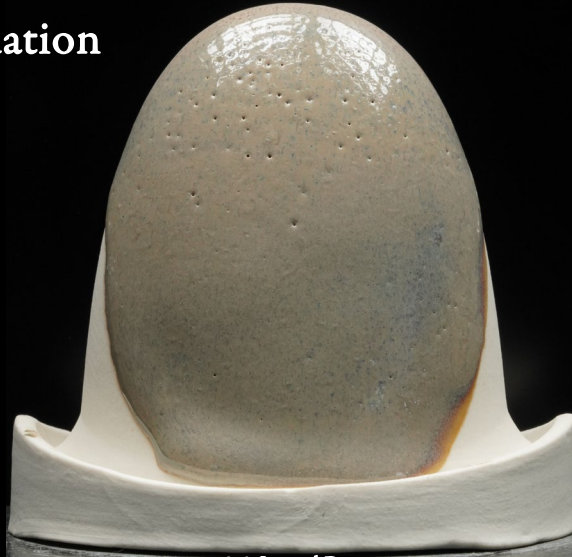
Oxidation

Reduction

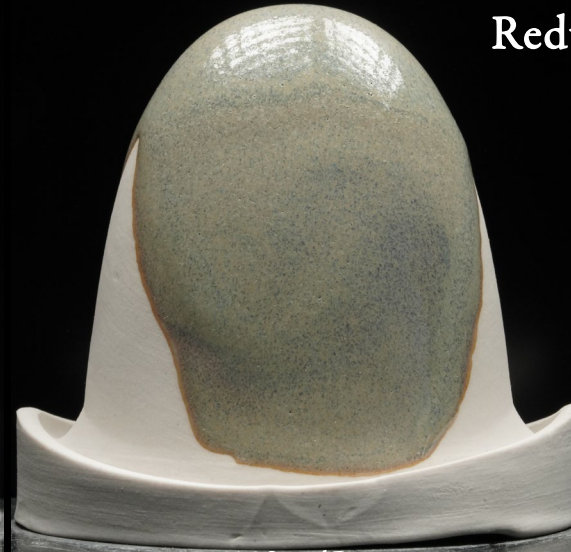
2%



1-3 Second Dip



2-3 Second Dips



1-3 Second Dip



2-3 Second Dips

6%



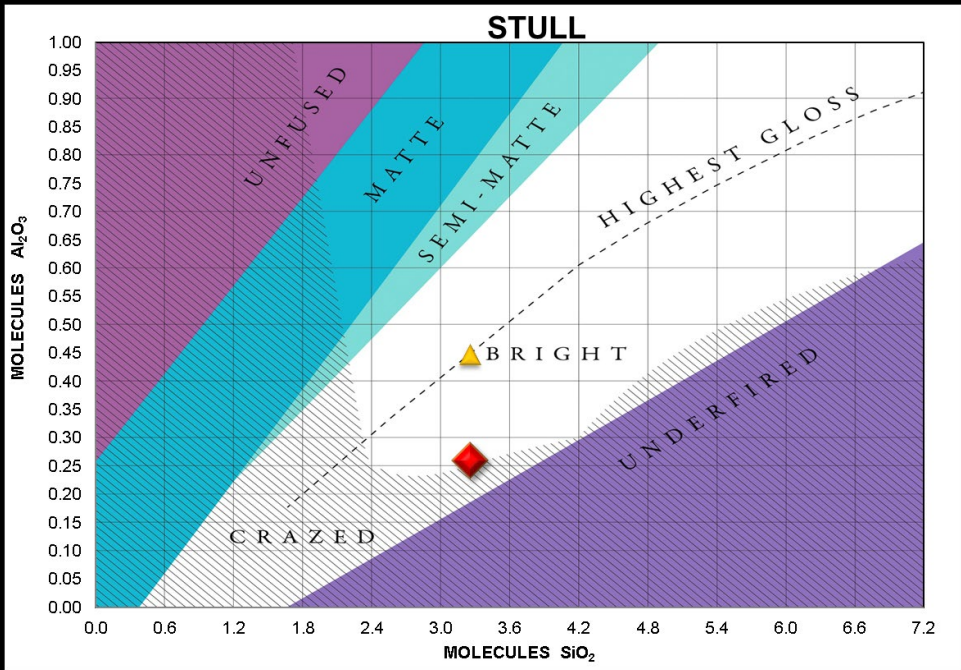
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Nickel Oxide-Black(+2.92% Titanium Dioxide)

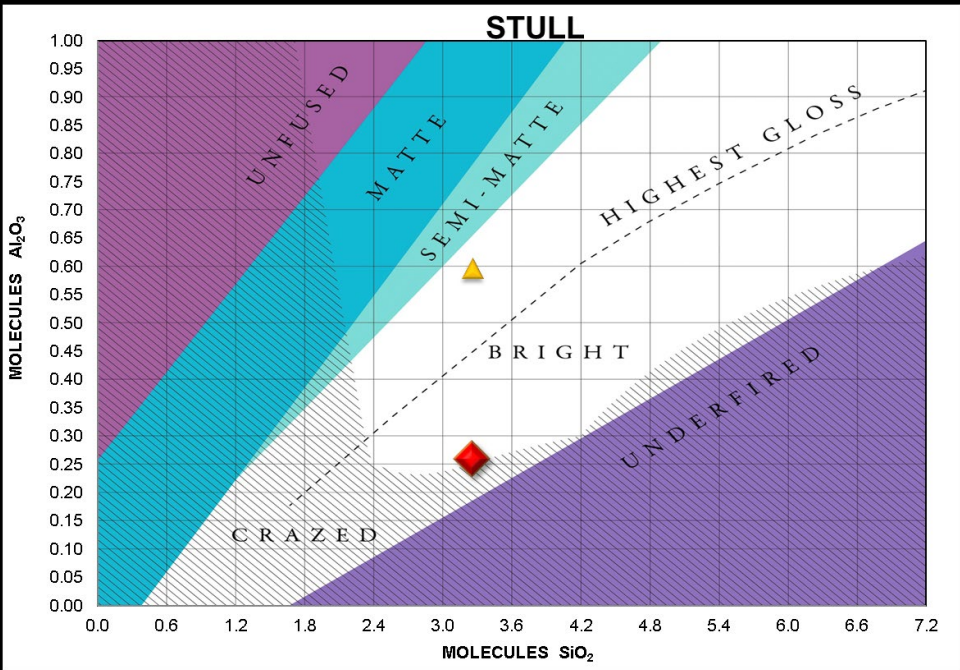
2%

SiO ₂ :Al ₂ O ₃ Ratio 7.28 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.26	Collective "Al ₂ O ₃ " 0.45	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.01	CaO 0.69
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.11	NiO 0.07	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



6%

SiO ₂ :Al ₂ O ₃ Ratio 5.46 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.26	Collective "Al ₂ O ₃ " 0.60	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.01	CaO 0.69
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.11	NiO 0.22	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Tin Oxide(+2.92% Titanium Dioxide)

Oxidation

Reduction

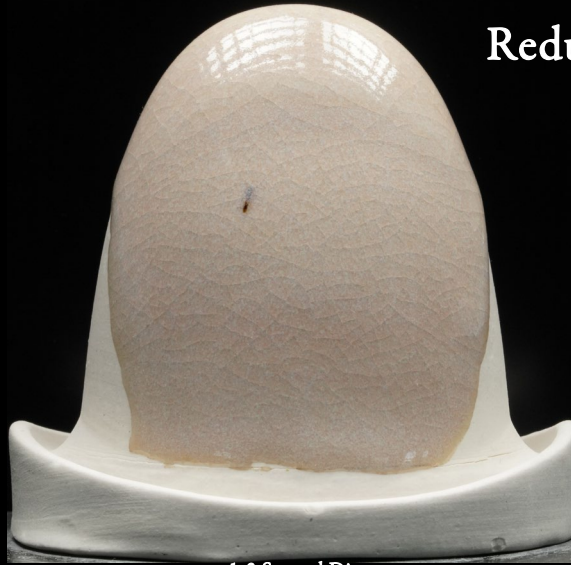
3%



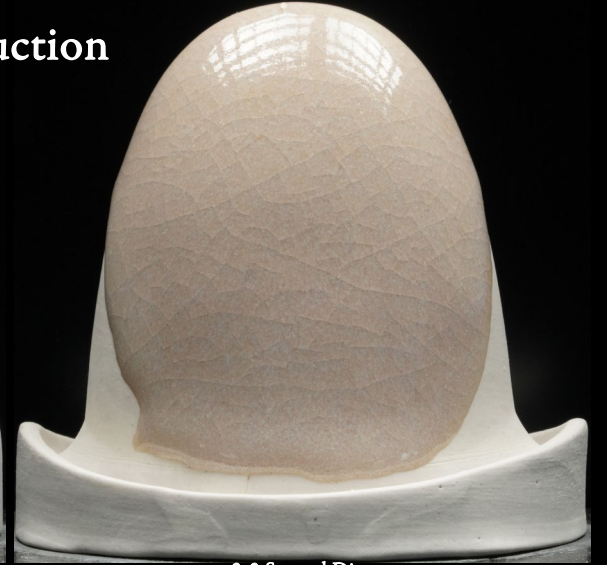
1-3 Second Dip



2-3 Second Dips



1-3 Second Dip



2-3 Second Dips

6%



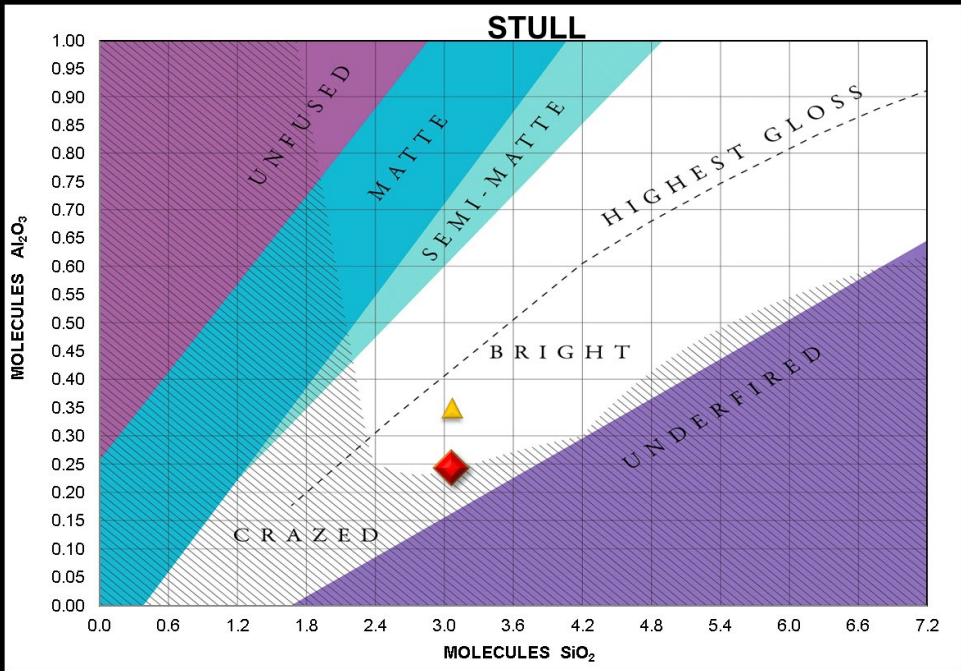
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Tin Oxide(+2.92% Titanium Dioxide) Chem

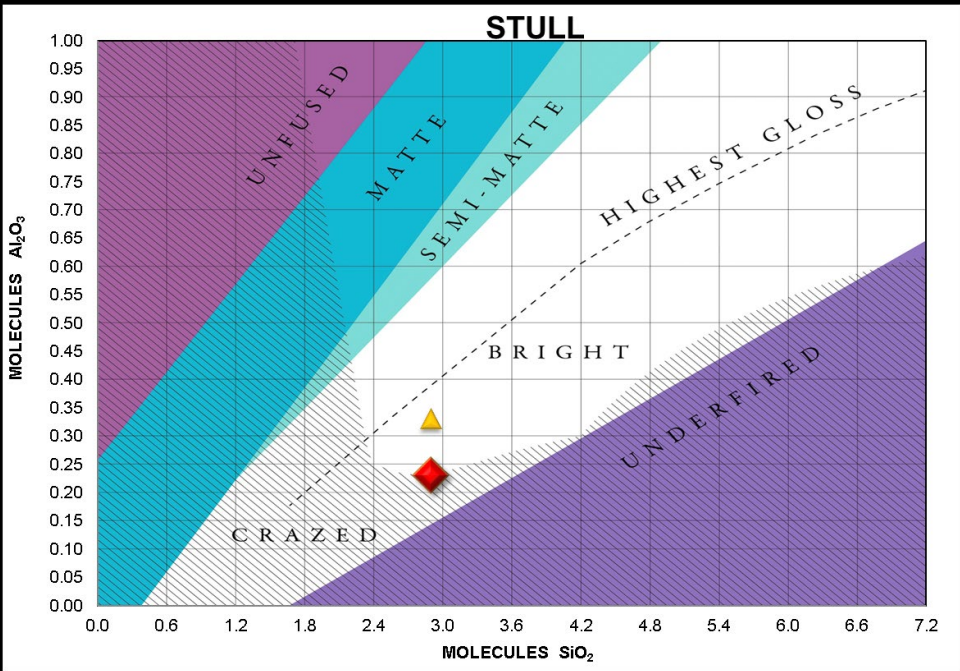
3%

SiO ₂ :Al ₂ O ₃ Ratio 8.75 :1		Alkali Metals 0.34		Alkaline Earths 0.66	
SiO ₂ 3.07	Collective "Al ₂ O ₃ " 0.35	Na ₂ O 0.16	K ₂ O 0.05	MgO 0.00	CaO 0.65
B ₂ O ₃	Al ₂ O ₃ 0.24	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.11	NiO	Bi ₂ O ₃	SnO ₂ 0.08	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



6%

SiO ₂ :Al ₂ O ₃ Ratio 8.75 :1		Alkali Metals 0.37		Alkaline Earths 0.63	
SiO ₂ 2.90	Collective "Al ₂ O ₃ " 0.33	Na ₂ O 0.15	K ₂ O 0.04	MgO 0.00	CaO 0.62
B ₂ O ₃	Al ₂ O ₃ 0.23	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.10	NiO	Bi ₂ O ₃	SnO ₂ 0.13	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Zirconium Silicate(+2.92% Titanium Dioxide)

Oxidation

Reduction

5%



1-3 Second Dip

2-3 Second Dips

1-3 Second Dip

2-3 Second Dips

10%



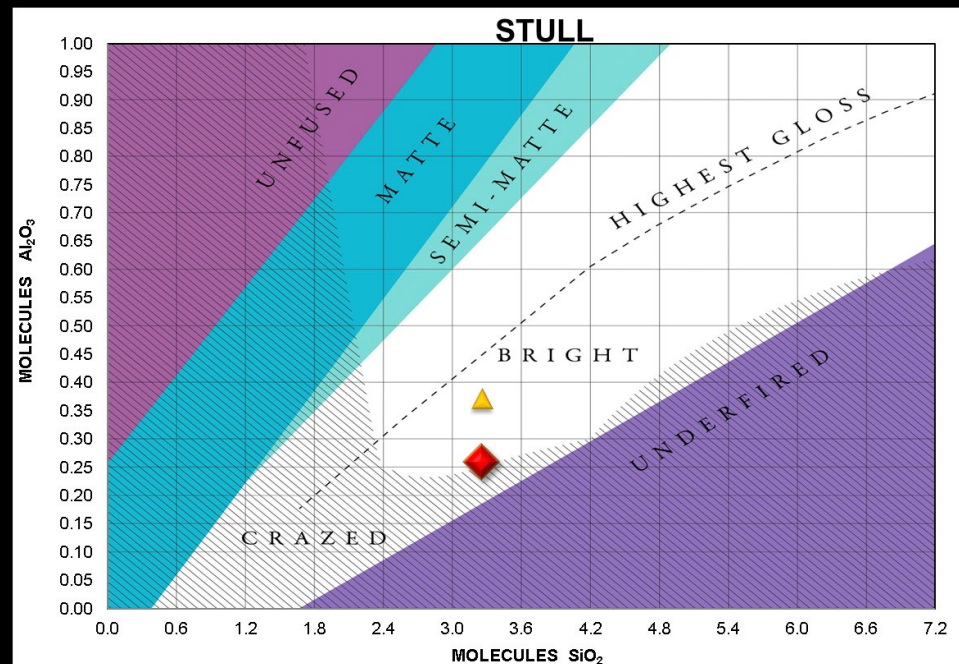
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Zirconium Silicate(+2.92% Titanium Dioxide)

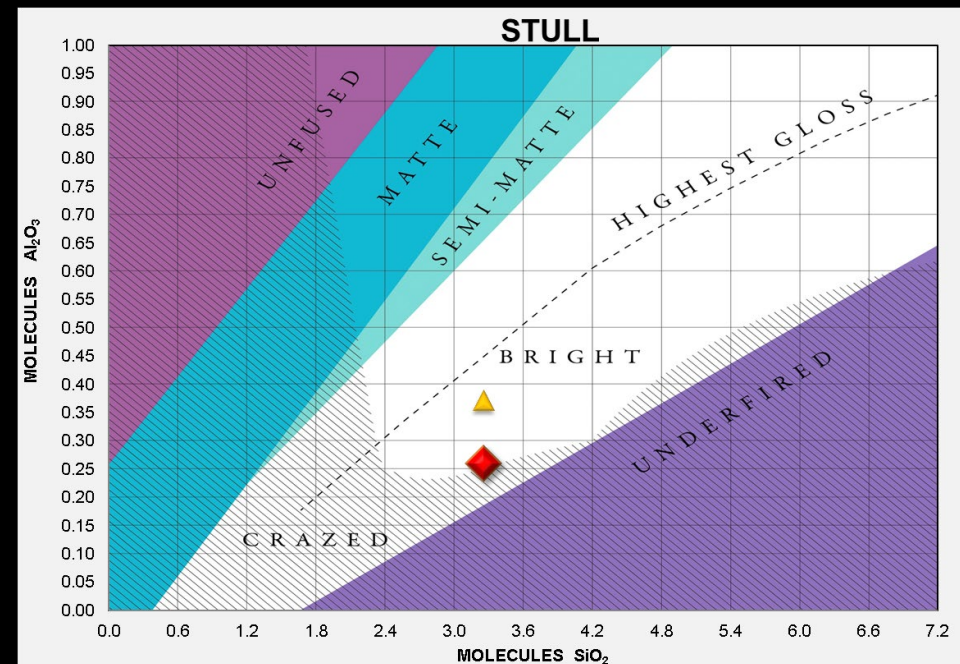
5%

SiO ₂ :Al ₂ O ₃ Ratio 8.75 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.26	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.01	CaO 0.69
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.11	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃ 0.01	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



10%

SiO ₂ :Al ₂ O ₃ Ratio 8.75 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.26	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.01	CaO 0.69
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.11	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃ 0.04	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Stain Dark Red 6021(+2.92% Titanium Dioxide)

5%

Oxidation

Reduction



1-3 Second Dip



2-3 Second Dips



1-3 Second Dip



2-3 Second Dips

10%



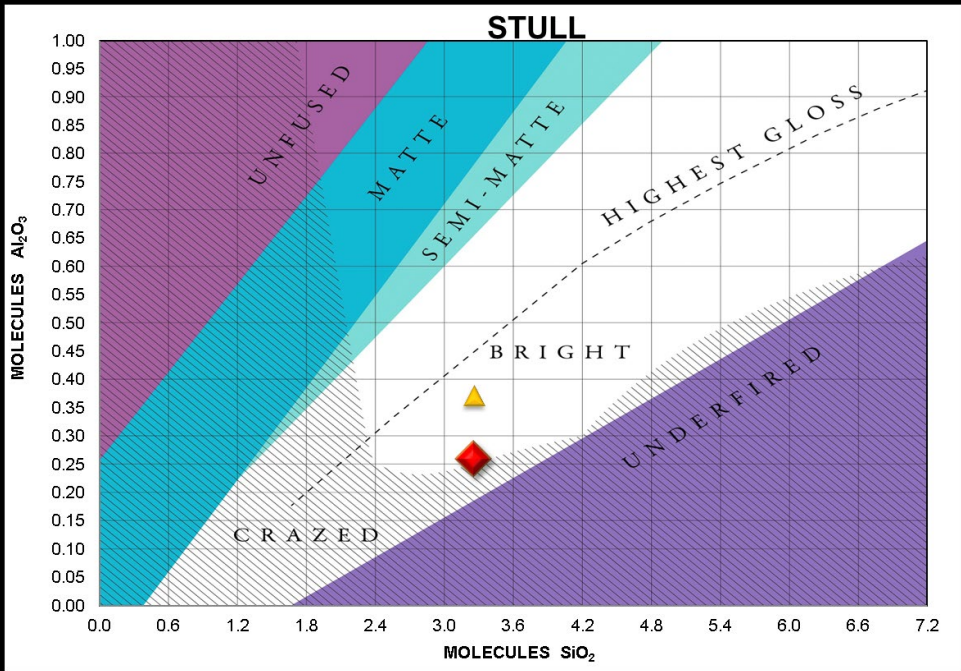
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Stain Dark Red 6021(+2.92% Titanium Dioxide)

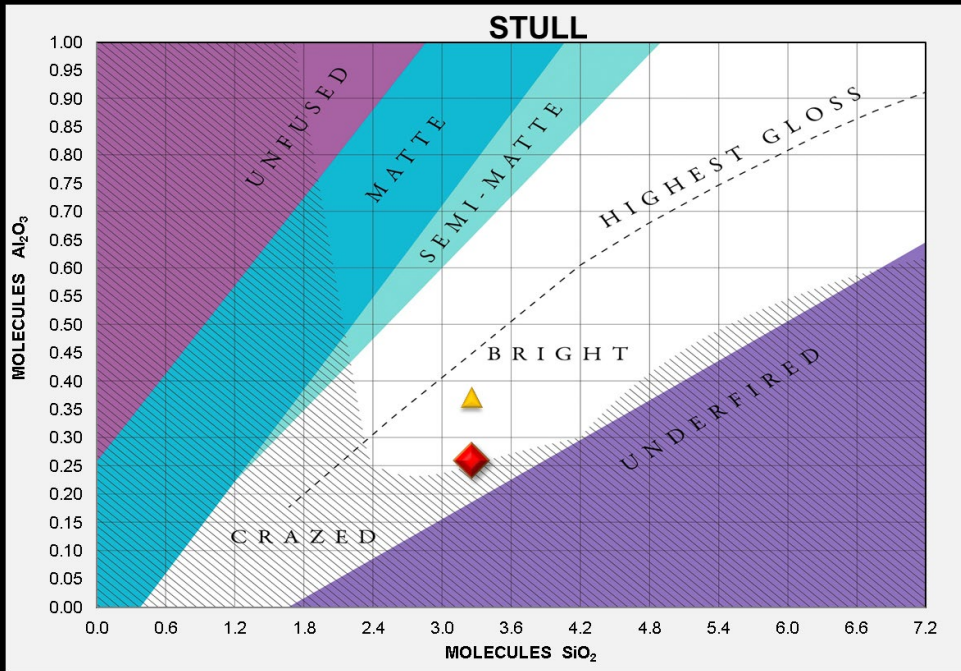
5%

SiO ₂ :Al ₂ O ₃ Ratio 8.75 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.26	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.01	CaO 0.69
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.11	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃ 0.01	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



10%

SiO ₂ :Al ₂ O ₃ Ratio 8.75 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.26	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.01	CaO 0.69
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.11	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃ 0.04	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Silicon Carbide-30 Mesh(+ 2.92% Titanium Dioxide)

Oxidation

Reduction

3%



1-3 Second Dip



2-3 Second Dips



1-3 Second Dip



2-3 Second Dips

9%



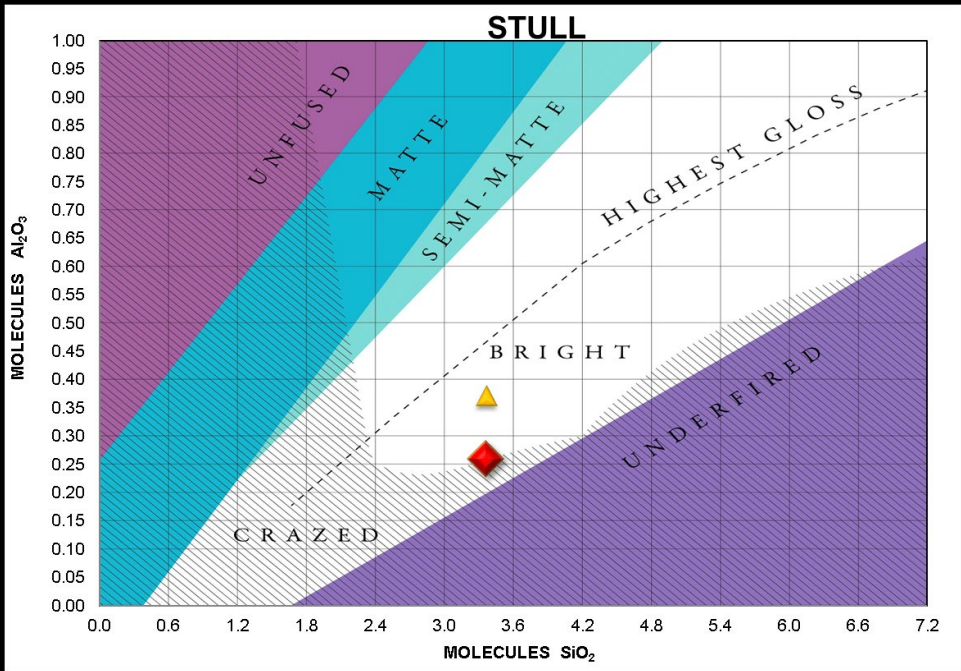
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Silicon Carbide-30 Mesh(+ 2.92% Titanium Dioxide)

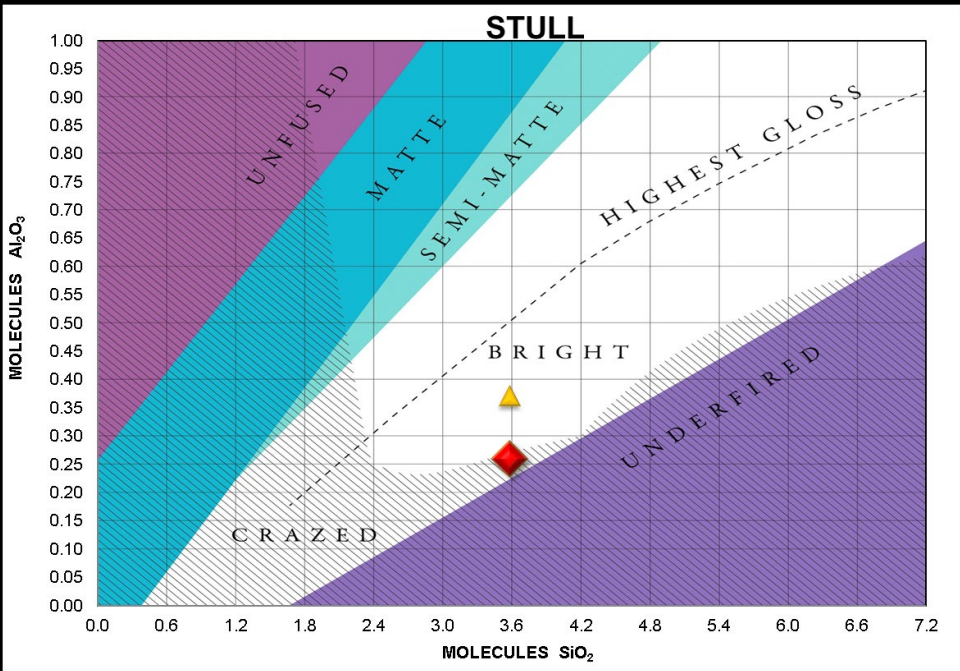
5%

SiO ₂ :Al ₂ O ₃ Ratio 9.04 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.37	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.01	CaO 0.69
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.11	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



10%

SiO ₂ :Al ₂ O ₃ Ratio 9.62 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.58	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.01	CaO 0.69
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.11	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Silicon Carbide-800 Mesh(+ 2.92% Titanium Dioxide)

Oxidation

Reduction

3%



1-3 Second Dip



2-3 Second Dips



1-3 Second Dip



2-3 Second Dips

9%



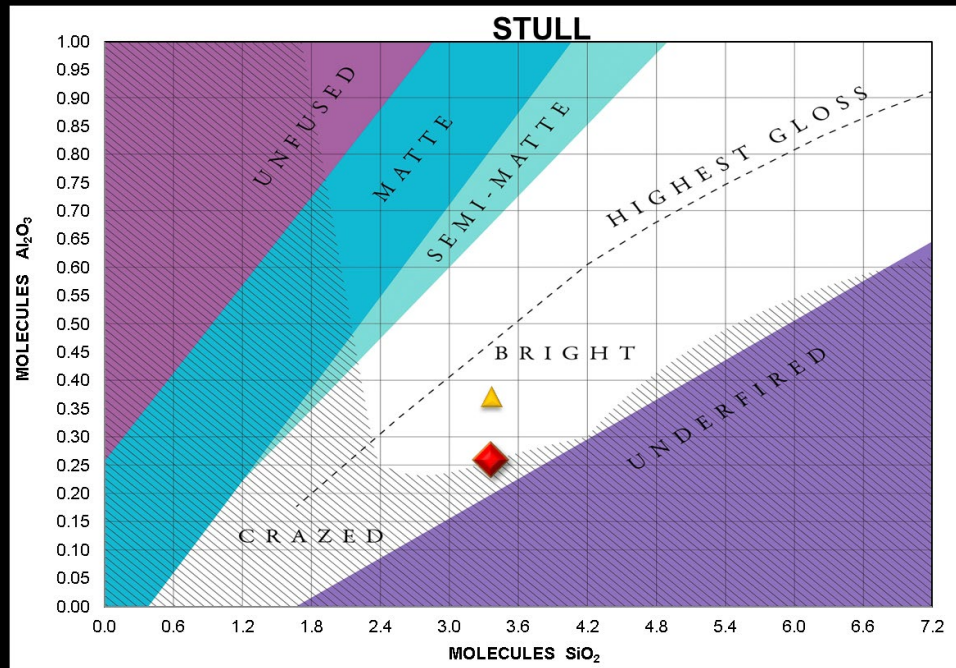
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Silicon Carbide-800 Mesh(+ 2.92% Titanium Dioxide)

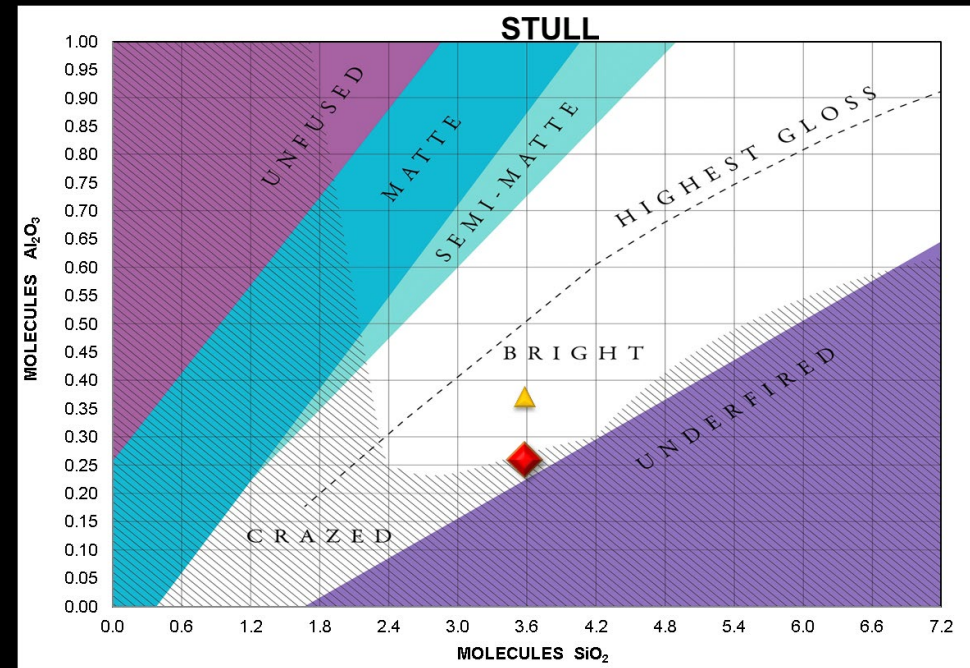
5%

SiO ₂ :Al ₂ O ₃ Ratio 9.04 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.37	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.01	CaO 0.69
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.11	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



10%

SiO ₂ :Al ₂ O ₃ Ratio 9.62 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.58	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.01	CaO 0.69
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.11	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



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