

Glassy Eyed- Δ 6

Lab 1-Pick-A-Part

Glassy Eyed

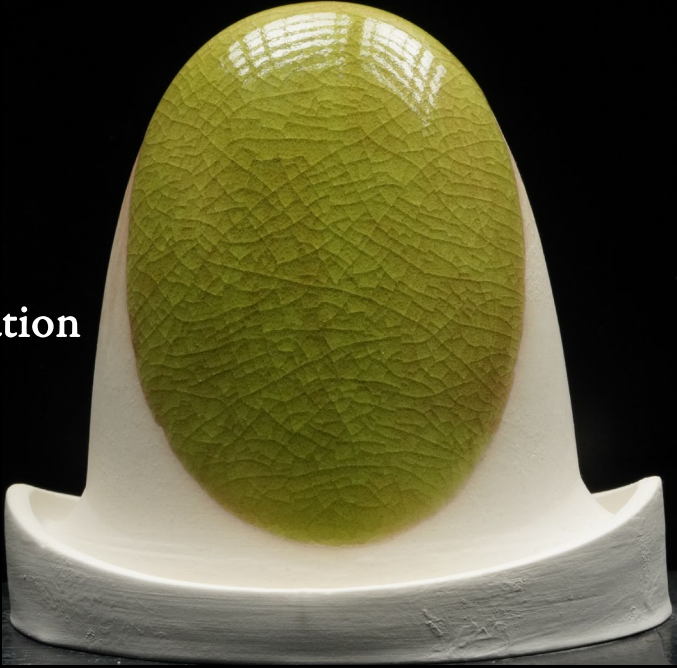
Original

070422-1

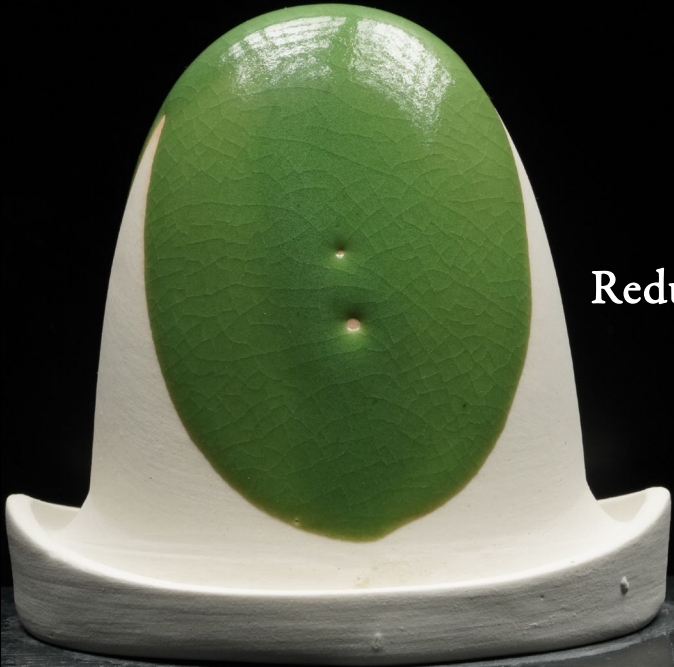
G200 EU	25.52
Strontium Carb	20.75
EPK	19.81
Flint	26.41
3134	15.28
Chrome Oxide	0.33
Water	60



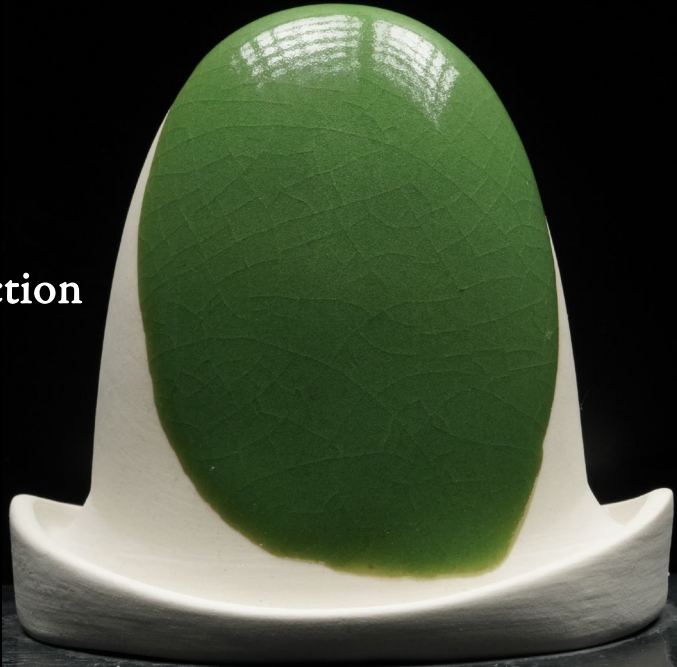
1-3 Second Dip



2-3 Second Dips



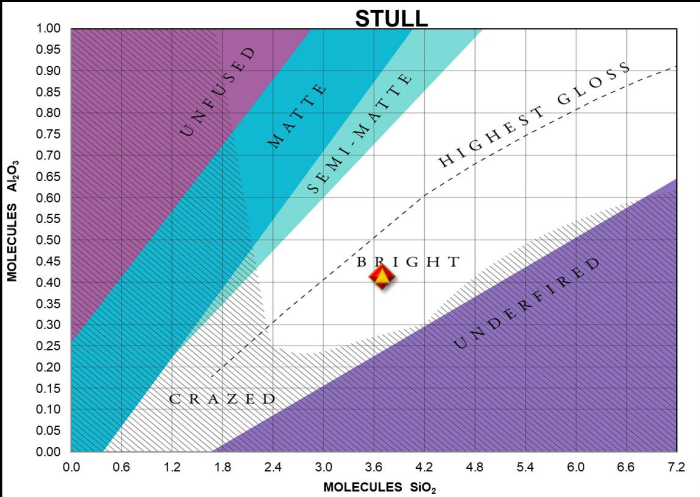
Reduction



Oxidation

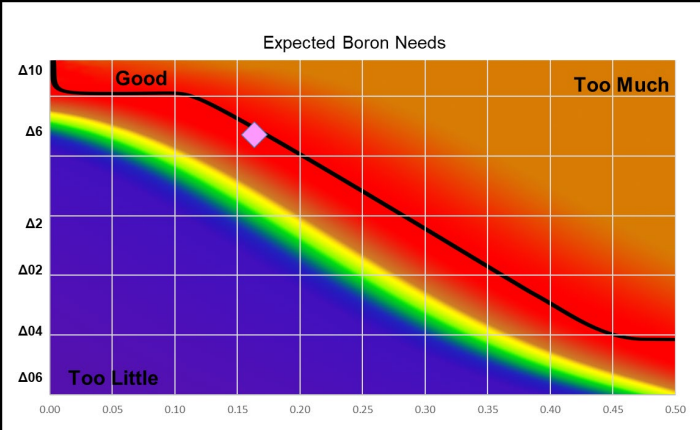
UMF

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



Ceramic
Materials
Workshop

Lab 1-Oxidation



070422-1



070422-2



070422-3

1-3 Second Dip



070422-4



070422-5



070422-6



Original



w/o G200 EU



w/o Strontium Carb

2-3 Second Dips



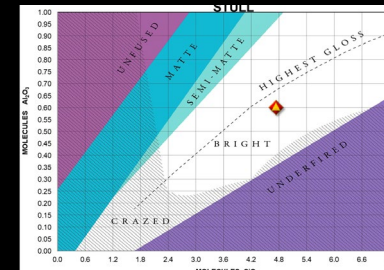
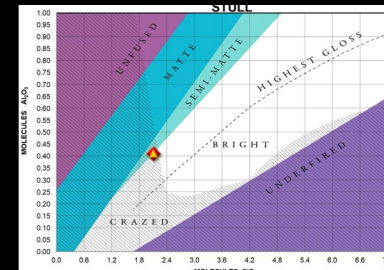
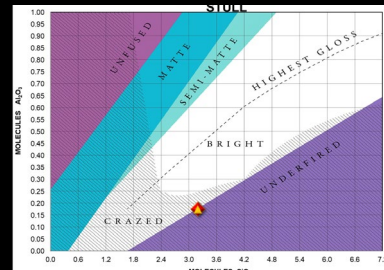
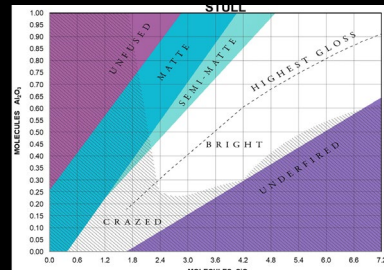
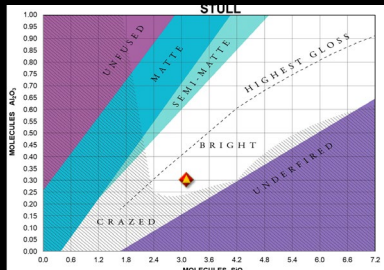
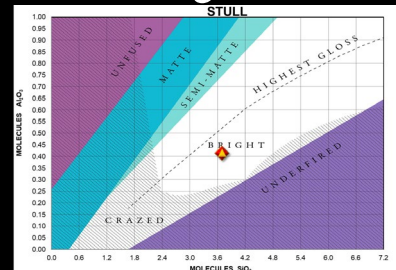
w/o Kaolin



w/o Flint



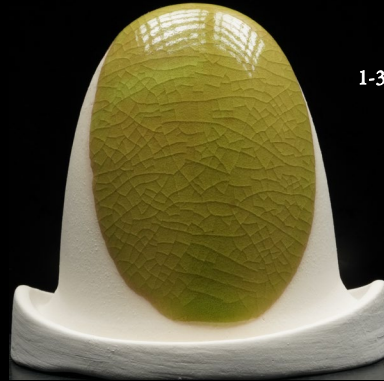
w/o Frit



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Lab 1-Oxidation



1-3 Second Dip

070422-1



070422-51

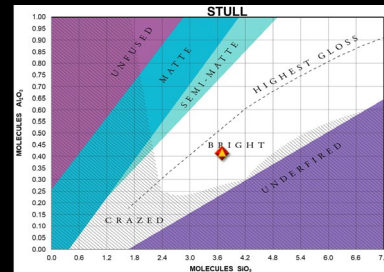
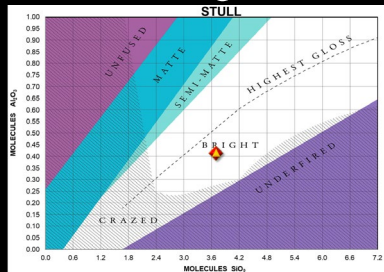


2-3 Second Dips

Original

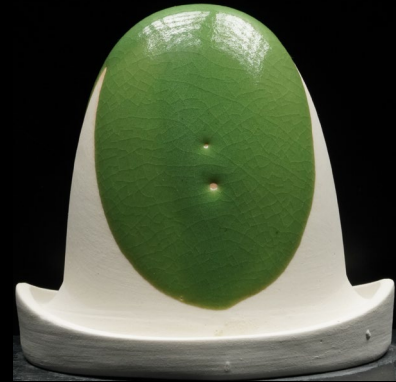


w/o Colorant

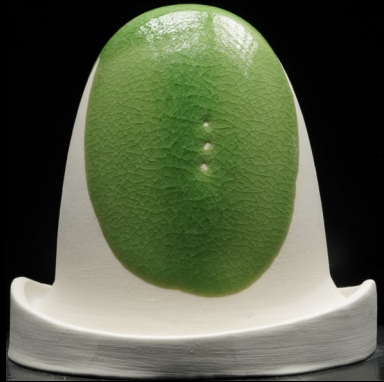


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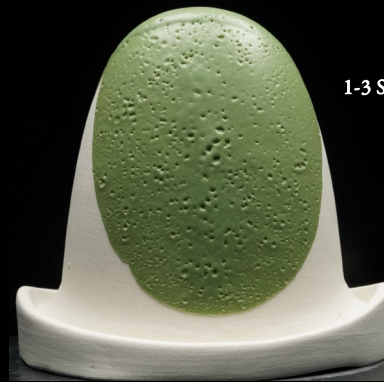
Lab 1-Reduction



070422-1



070422-2



070422-3

1-3 Second Dip



070422-4

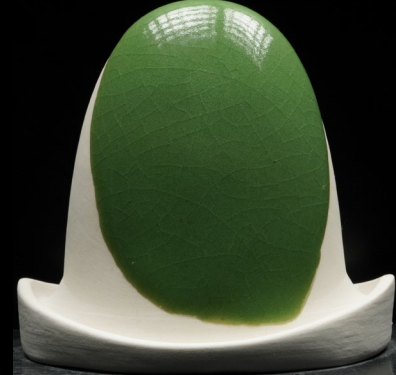
2-3 Second Dips



070422-5



070422-6



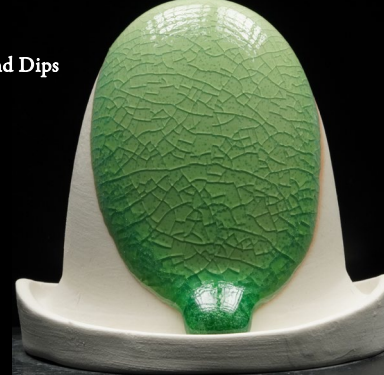
Original



w/o G200 EU



w/o Strontium Carb



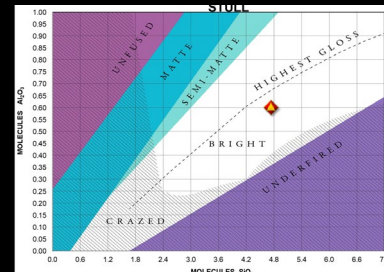
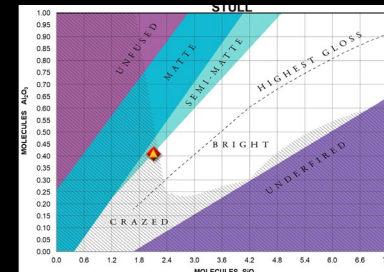
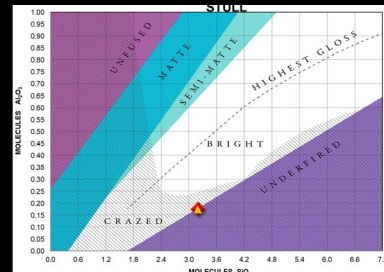
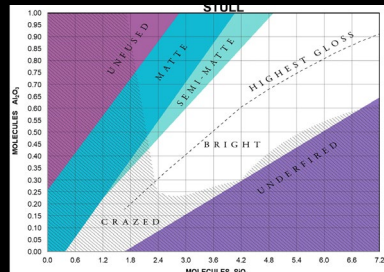
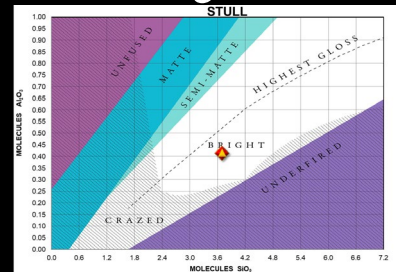
w/o Kaolin



w/o Flint



w/o Frit



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Lab 1-Reduction

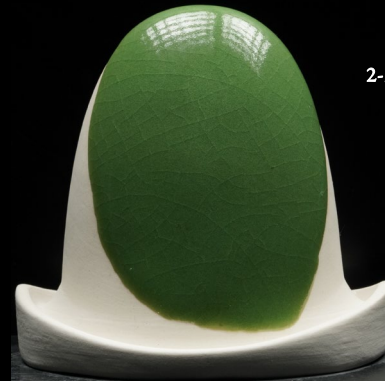


1-3 Second Dip

070422-1



070422-51

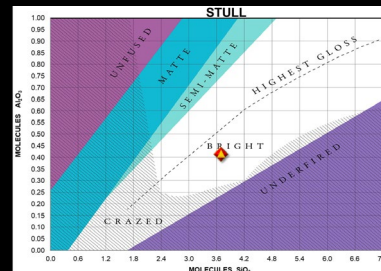
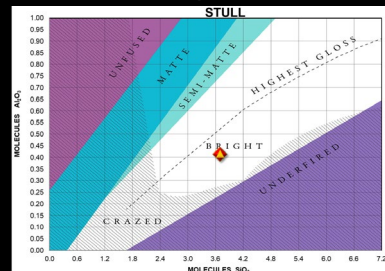


2-3 Second Dips

Original



w/o Colorant



Ceramic
Materials
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Glassy Eyed

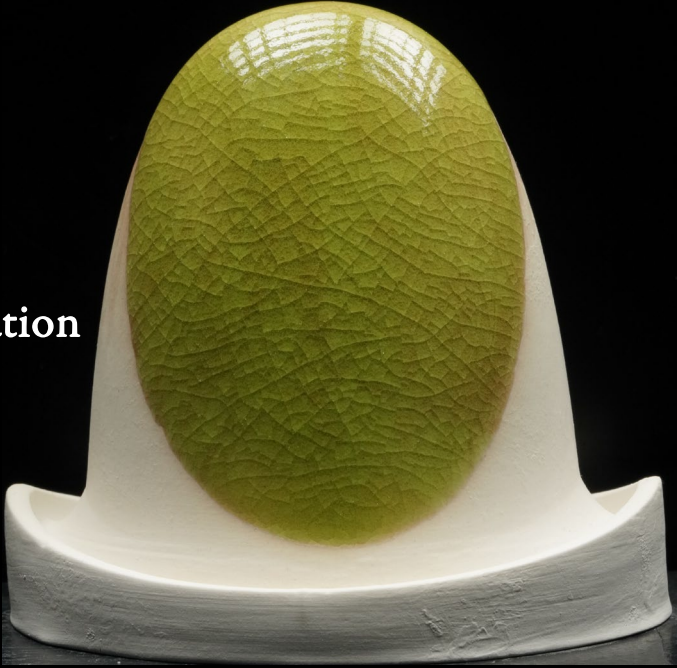
Original

070422-1

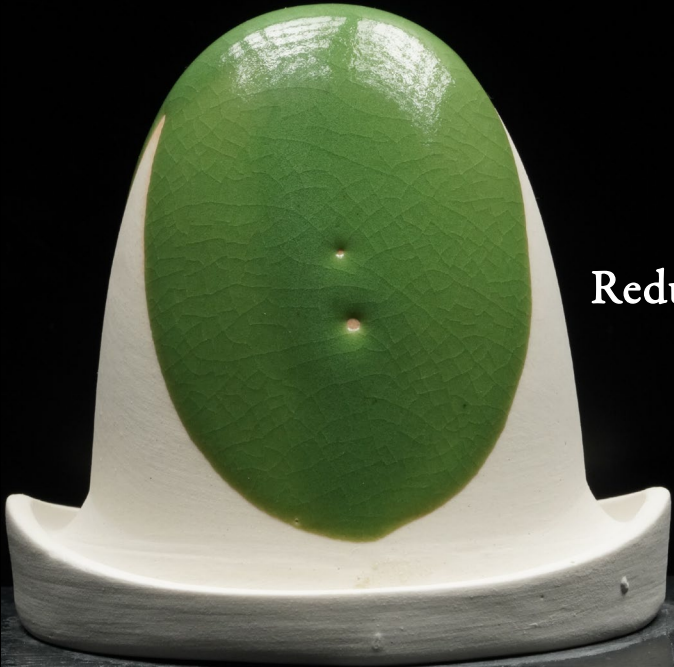
G200 EU	25.52
Strontium Carb	20.75
EPK	19.81
Flint	26.41
3134	15.28
Chrome Oxide	0.33
Water	60



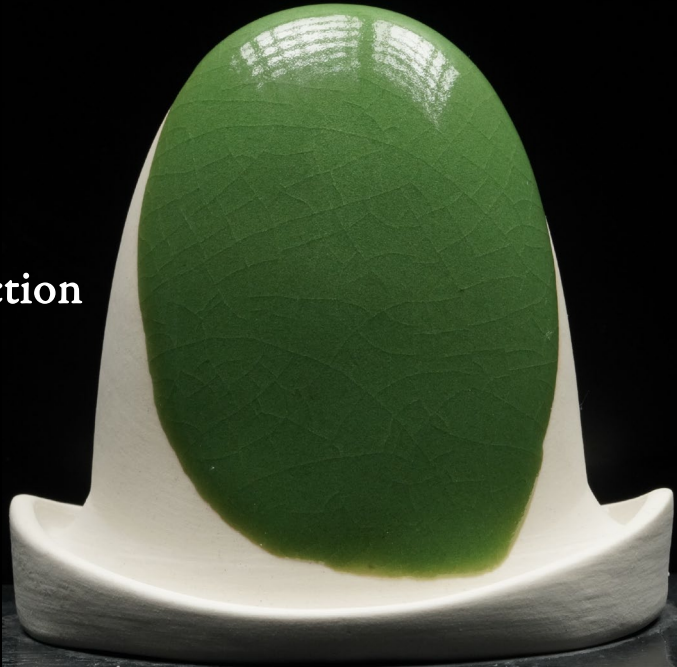
1-3 Second Dip



2-3 Second Dips



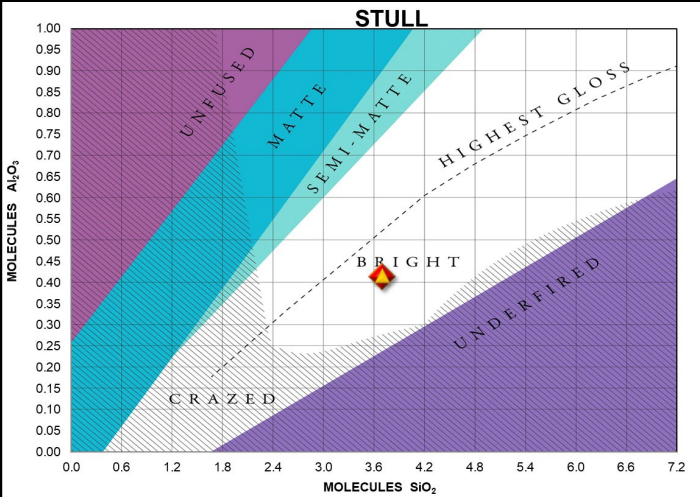
Reduction



Oxidation

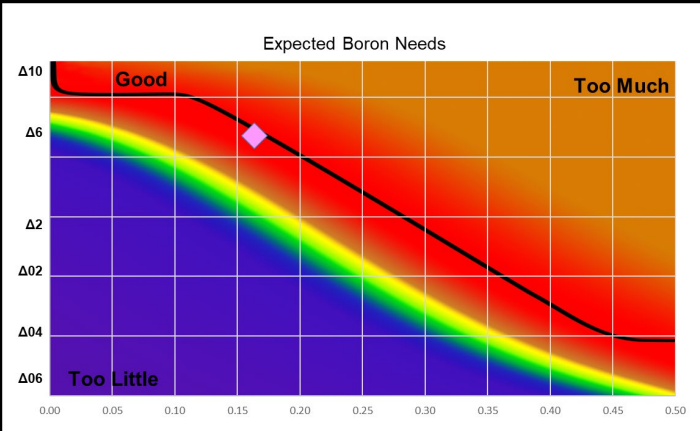
UMF

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



Ceramic
Materials
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Glassy Eyed

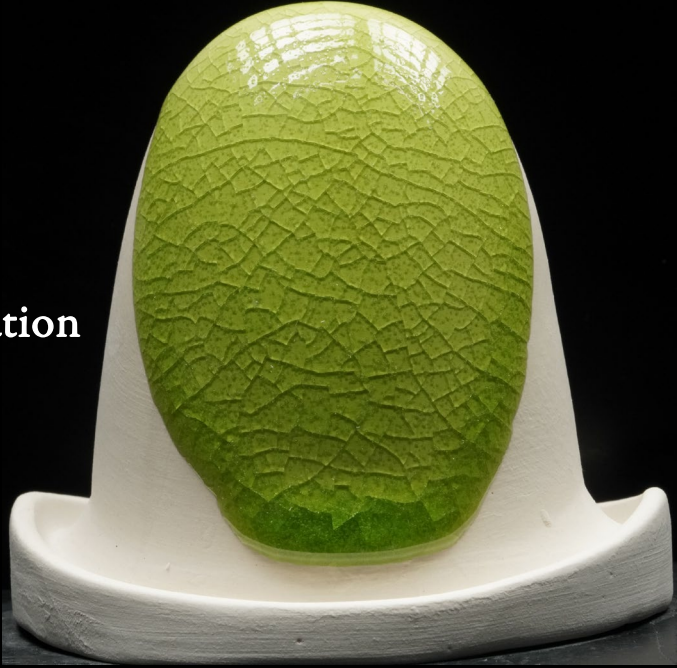
w/o Alkali Metal

070422-2

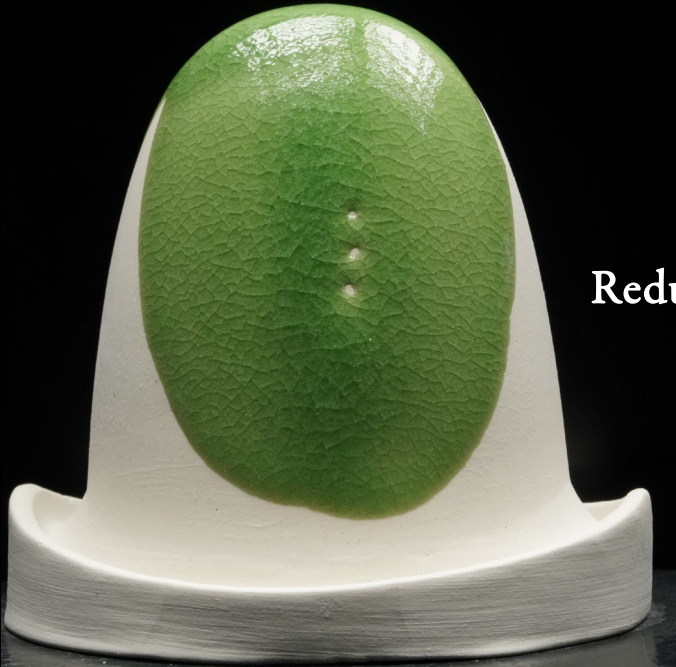
G200 EU	
Strontium Carb	27.19
EPK	25.96
Flint	34.61
3134	20.02
Chrome Oxide	0.33
Water	65



1-3 Second Dip



2-3 Second Dips

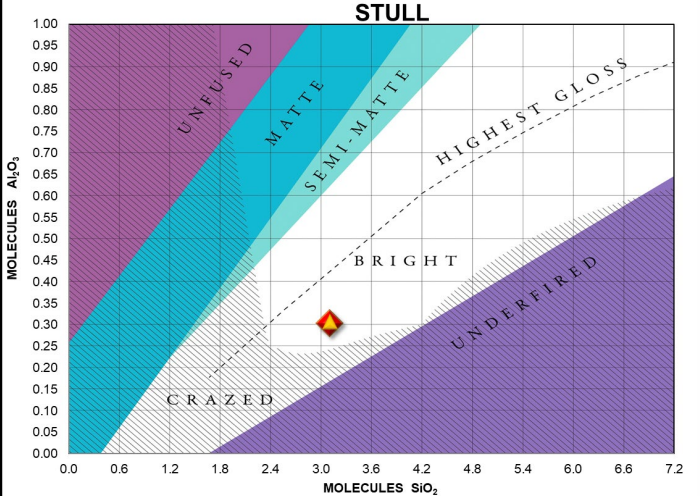


Reduction



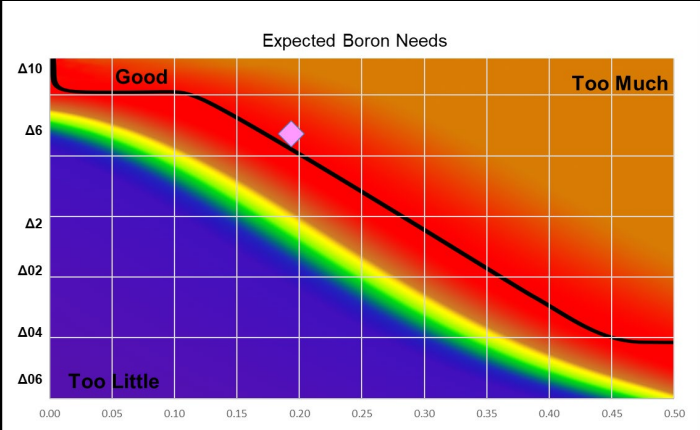
UMF

SiO ₂ :Al ₂ O ₃ Ratio 10.09 : 1		Alkali Metals 0.11		Alkaline Earths 0.89	
SiO ₂ 3.11	Collective "Al ₂ O ₃ " 0.31	Na ₂ O 0.11	K ₂ O 0.00	MgO 0.00	CaO 0.26
B ₂ O ₃ 0.19	Al ₂ O ₃ 0.30	Li ₂ O	CuO	SrO 0.61	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 10.09 : 1		Alkali Metals 0.11		Alkaline Earths 0.89	
SiO ₂ 3.11	Collective "Al ₂ O ₃ " 0.31	Na ₂ O 0.11	K ₂ O 0.00	MgO 0.00	CaO 0.26
B ₂ O ₃ 0.19	Al ₂ O ₃ 0.30	Li ₂ O	CuO	SrO 0.61	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



Glassy Eyed

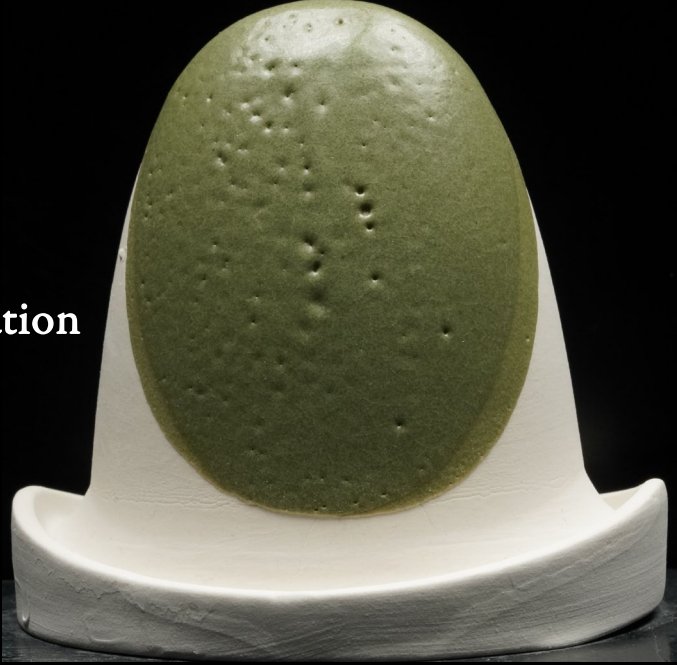
w/o Alkaline Earth

070422-3

G200 EU	29.32
Strontium Carb	
EPK	22.77
Flint	30.35
3134	17.56
Chrome Oxide	0.30
Water	65



1-3 Second Dip



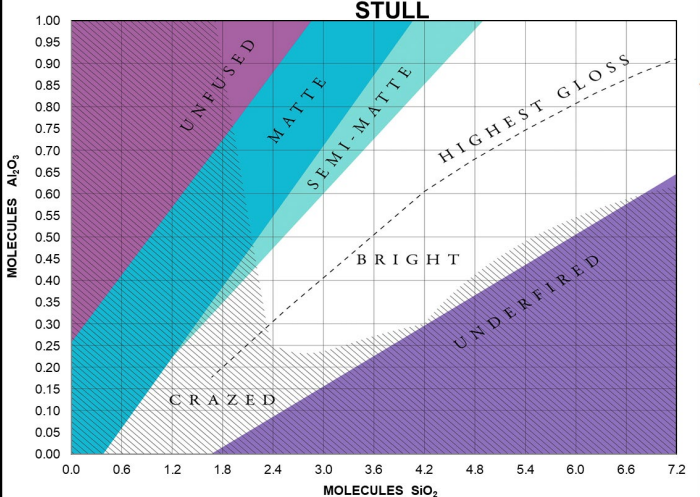
2-3 Second Dips



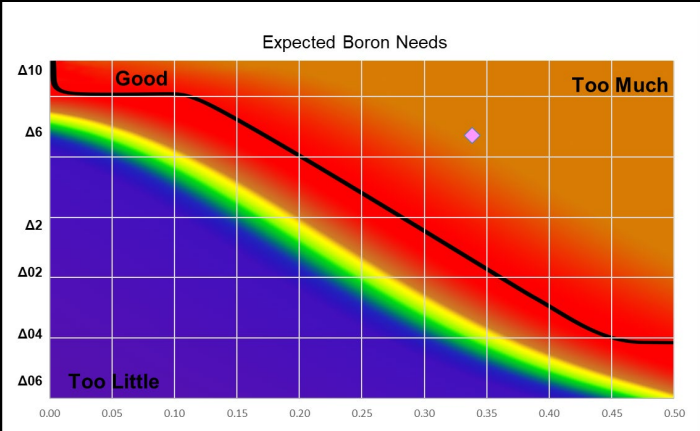
Reduction



UMF		Alkali Metals		Alkaline Earths	
SiO ₂ :Al ₂ O ₃ Ratio		0.49		0.51	
SiO ₂	Collective "Al ₂ O ₃ "	Na ₂ O	K ₂ O	MgO	CaO
7.64	0.86	0.26	0.23	0.01	0.47
B ₂ O ₃	Al ₂ O ₃	Li ₂ O	CuO	SrO	BaO
0.34	0.85				
TiO ₂	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO
0.01					0.03
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



EUMF		Alkali Metals		Alkaline Earths	
SiO ₂ :Al ₂ O ₃ Ratio		0.49		0.51	
SiO ₂	Collective "Al ₂ O ₃ "	Na ₂ O	K ₂ O	MgO	CaO
7.64	0.86	0.26	0.23	0.01	0.47
B ₂ O ₃	Al ₂ O ₃	Li ₂ O	CuO	SrO	BaO
0.34	0.85				
TiO ₂	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO
0.01					0.03
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO
0.01					



Glassy Eyed

w/o Kaolin

070422-4

G200 EU	28.44
Strontium Carb	23.12
EPK	
Flint	29.43
3134	17.03
Bentonite	1.98
Chrome Oxide	0.30
Water	65



1-3 Second Dip



2-3 Second Dips



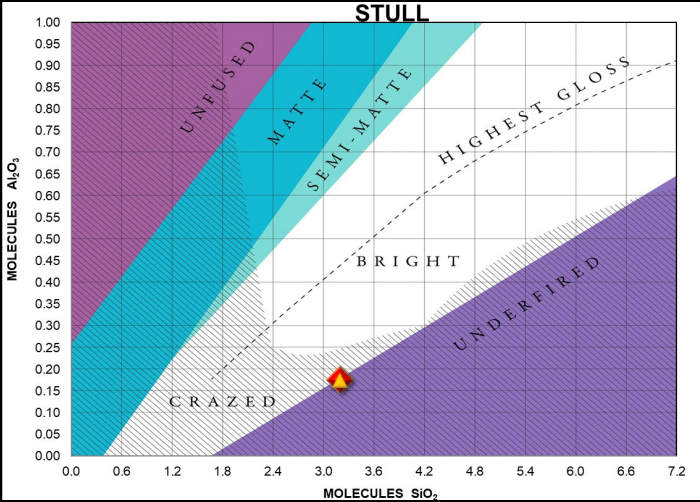
Reduction



Oxidation

UMF

SiO ₂ :Al ₂ O ₃ Ratio 18.21 : 1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.20	Collective "Al ₂ O ₃ " 0.18	Na ₂ O 0.13	K ₂ O 0.11	MgO 0.01	CaO 0.23
B ₂ O ₃ 0.17	Al ₂ O ₃ 0.17	Li ₂ O	CuO	SrO 0.52	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 18.21 : 1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.20	Collective "Al ₂ O ₃ " 0.18	Na ₂ O 0.13	K ₂ O 0.11	MgO 0.01	CaO 0.23
B ₂ O ₃ 0.17	Al ₂ O ₃ 0.17	Li ₂ O	CuO	SrO 0.52	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.00
Cr ₂ O ₃ 0.01	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
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Glassy Eyed

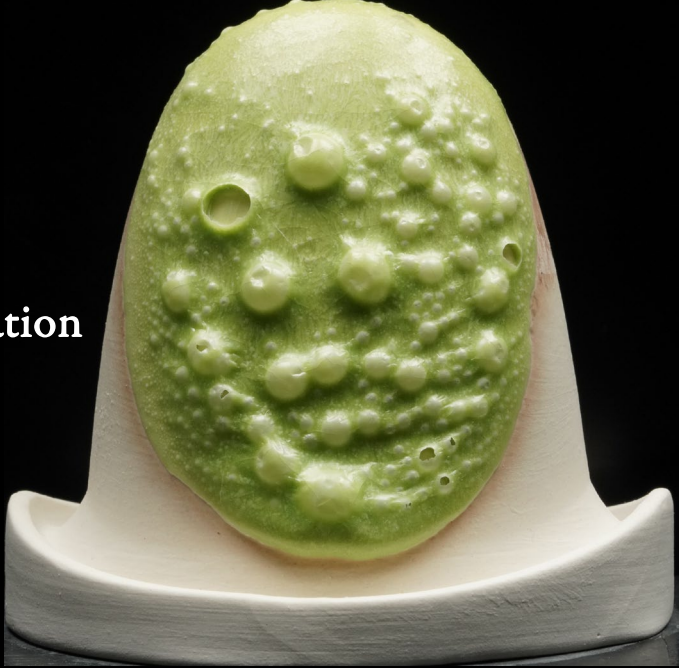
w/o Silica

070422-5

G200 EU	31.36
Strontium Carb	25.50
EPK	24.35
Flint	
3134	18.78
Chrome Oxide	0.30
Water	60



1-3 Second Dip



2-3 Second Dips

Oxidation

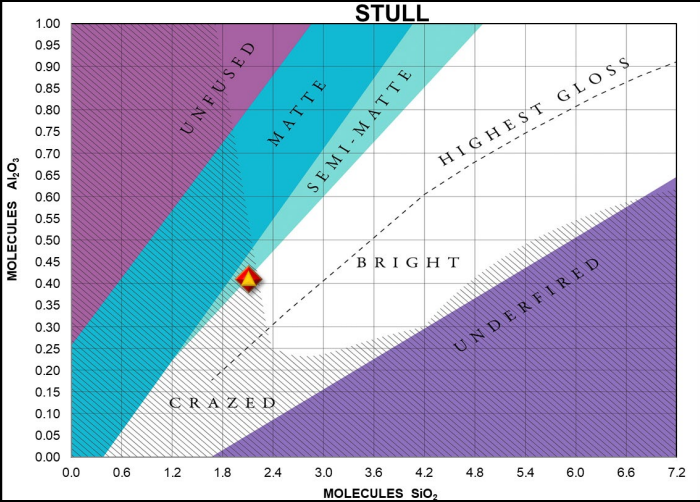


Reduction



UMF

SiO ₂ :Al ₂ O ₃ Ratio 5.12 : 1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 2.11	Collective "Al ₂ O ₃ " 0.41	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 5.12 : 1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 2.11	Collective "Al ₂ O ₃ " 0.41	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



Ceramic
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Glassy Eyed

w/o Frit

070422-6

G200 EU	27.59
Strontium Carb	22.43
EPK	21.42
Flint	28.56
3134	
Chrome Oxide	0.30
Water	60



1-3 Second Dip



2-3 Second Dips



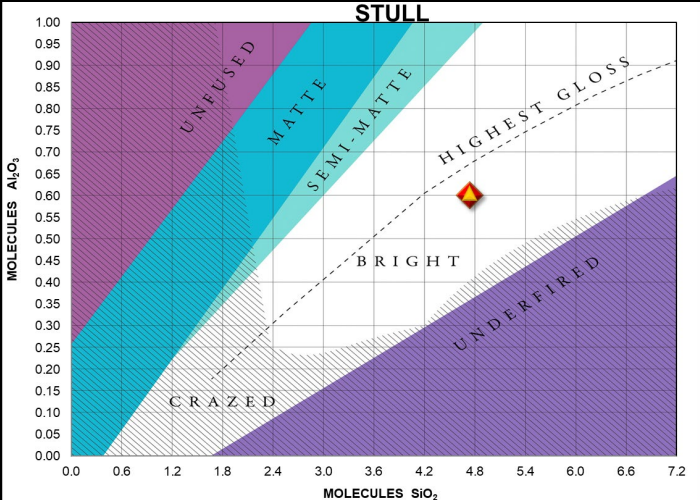
Reduction



Oxidation

UMF

SiO ₂ :Al ₂ O ₃ Ratio 7.81 : 1		Alkali Metals 0.21		Alkaline Earths 0.79	
SiO ₂ 4.74	Collective "Al ₂ O ₃ " 0.61	Na ₂ O 0.05	K ₂ O 0.16	MgO 0.01	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.60	Li ₂ O	CuO	SrO 0.75	BaO
TiO ₂ 0.01	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.02
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



EUMF

SiO ₂ :Al ₂ O ₃ Ratio 7.81 : 1		Alkali Metals 0.21		Alkaline Earths 0.79	
SiO ₂ 4.74	Collective "Al ₂ O ₃ " 0.61	Na ₂ O 0.05	K ₂ O 0.16	MgO 0.01	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.60	Li ₂ O	CuO	SrO 0.75	BaO
TiO ₂ 0.01	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.02
Cr ₂ O ₃ 0.01	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop

Glassy Eyed

w/o Colorant

070422-51

G200 EU	25.59
Strontium Carb	20.81
EPK	19.87
Flint	26.49
3134	15.33
Chrome Oxide	
Water	70



1-3 Second Dip



2-3 Second Dips



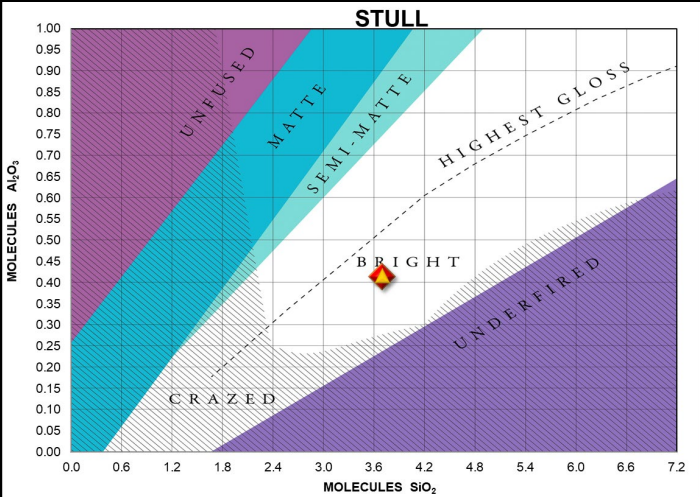
Reduction



Oxidation

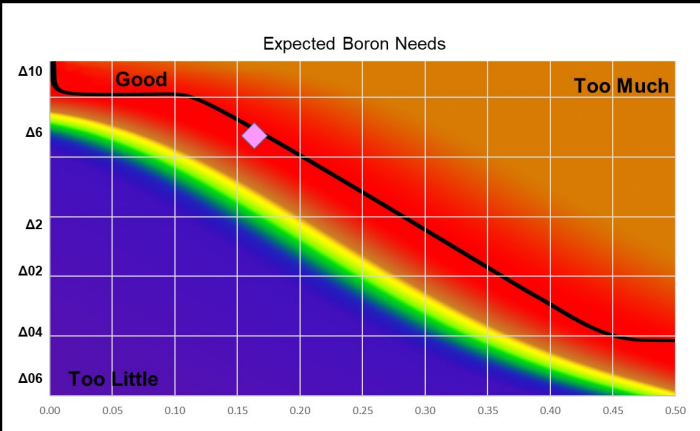
UMF

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	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
Workshop