Peacock-Δ10

Lab 4-Back to the Flux Capacity

Ceramic
Materials
Workshop

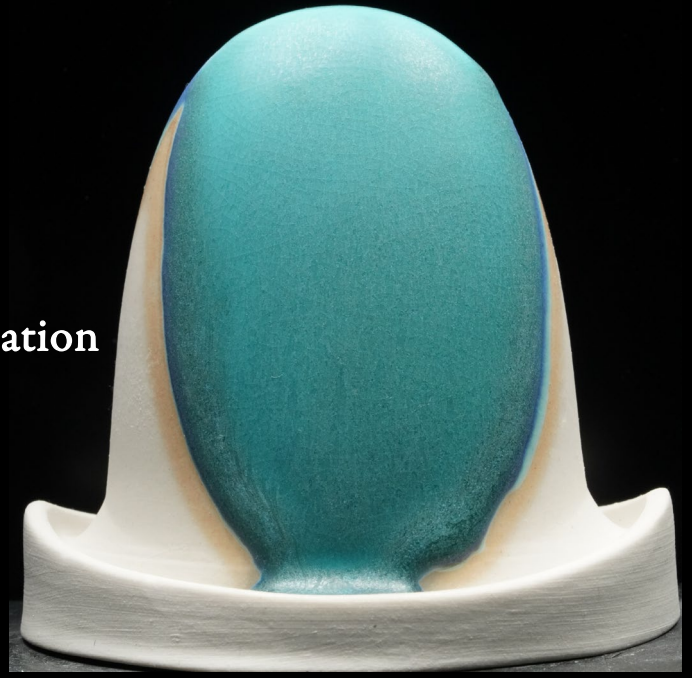
Peacock

Original
062922-1

Neph Sy	36.62
Barium Carb	46.57
EPK	6.63
Flint	10.19
Copper Carbonate	3.09
Water	70

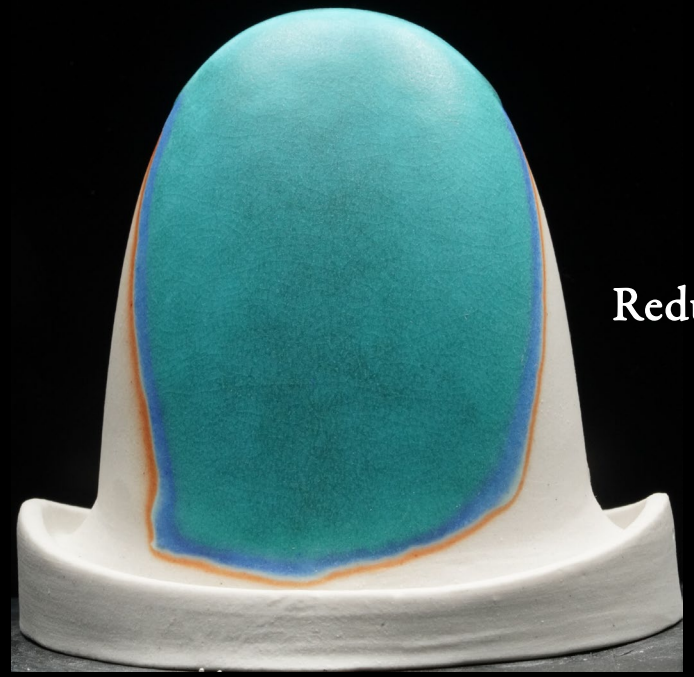
Oxidation

1-3 Second Dip



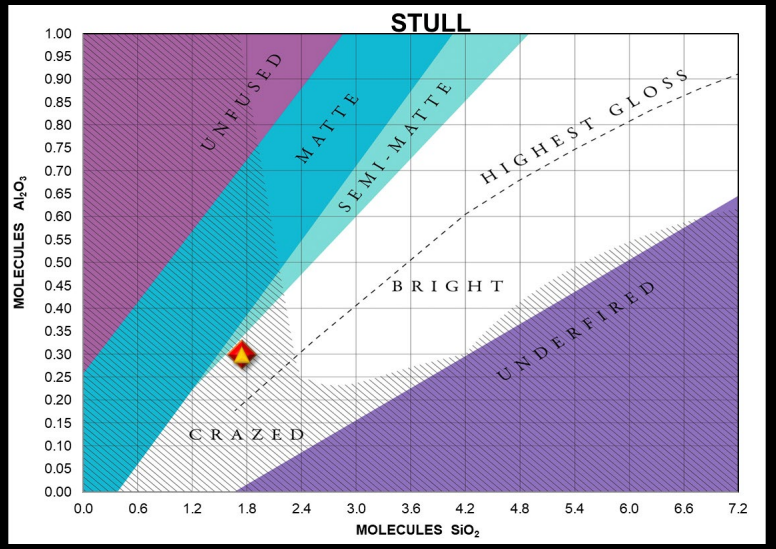
2-3 Second Dips

Reduction



UMF

SiO_2:Al_2O_3 Ratio 5.80 :1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO_2 1.88	Collective "Al_2O_3" 0.32	Na_2O 0.19	K_2O 0.05	MgO 0.00	CaO 0.01
B_2O_3	Al_2O_3 0.32	Li_2O	CuO	SrO	BaO 0.74
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



EUMF

SiO_2:Al_2O_3 Ratio 5.80 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO_2 1.74	Collective "Al_2O_3" 0.30	Na_2O 0.18	K_2O 0.05	MgO 0.00	CaO 0.01
B_2O_3	Al_2O_3 0.30	Li_2O	CuO 0.07	SrO	BaO 0.69
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO

Ceramic Materials Workshop

ceramicmaterialsworkshop.com

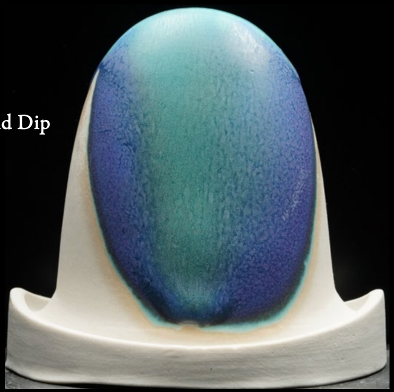
Lab 4-Alkali Metals-Oxidation

1-3 Second Dip


062922-1


062922-35


062922-36


062922-37

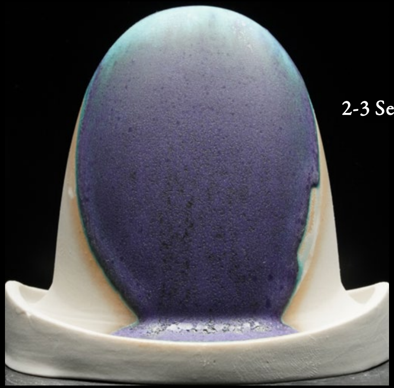

062922-X1

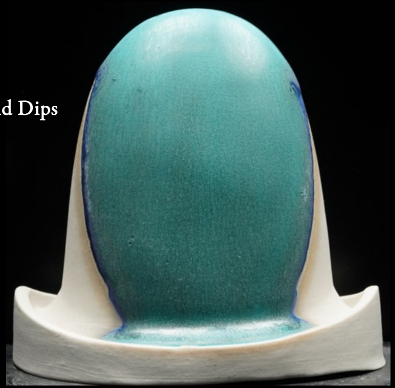

062922-38

2-3 Second Dips

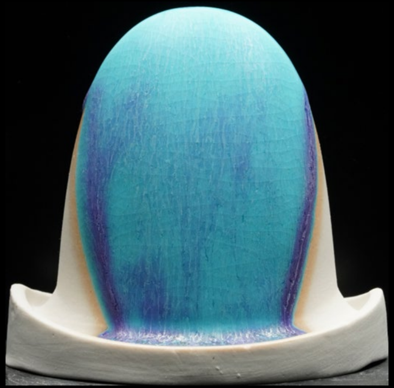

Original (NS)

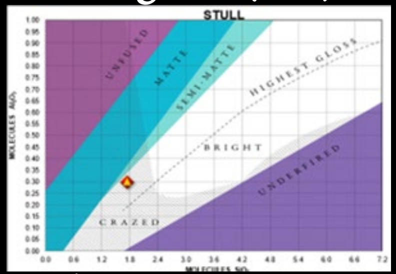

w/Mahavir

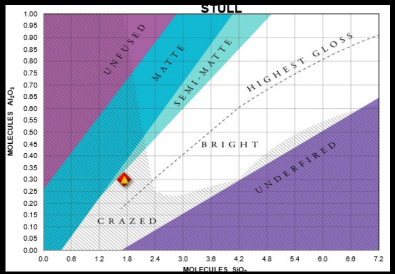

w/Custer

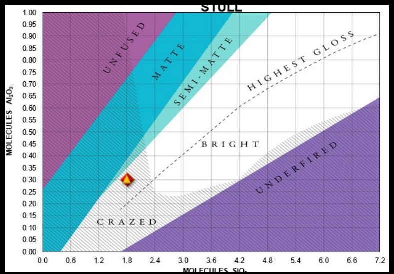

w/G200EU

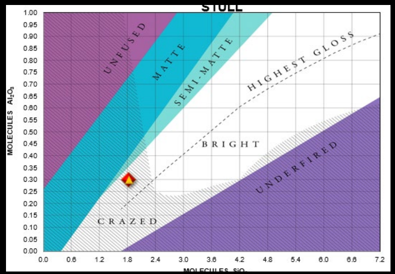

w/Minspar

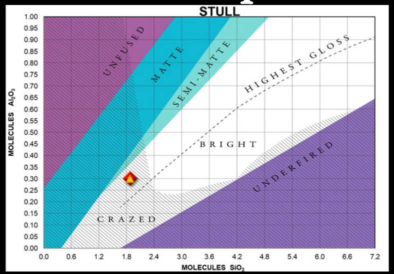

w/Spodumene

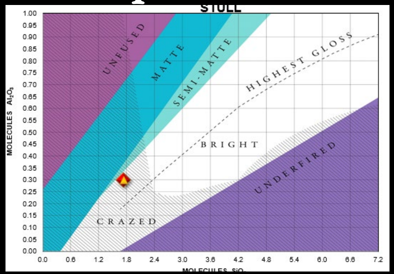












Ceramic Materials Workshop

ceramicmaterialsworkshop.com

Lab 4-Alkali Metals-Oxidation

1-3 Second Dip

062922-1

062922-40

062922-41

062922-42

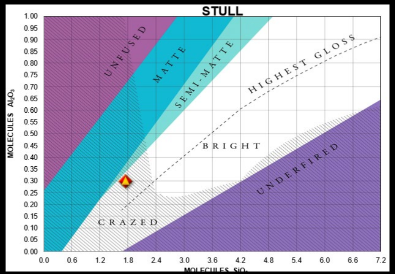
2-3 Second Dips

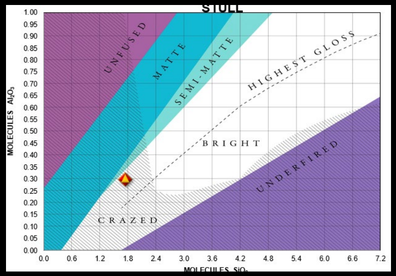
Original (NS)

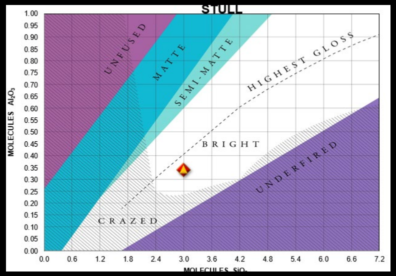
w/Frit 3110

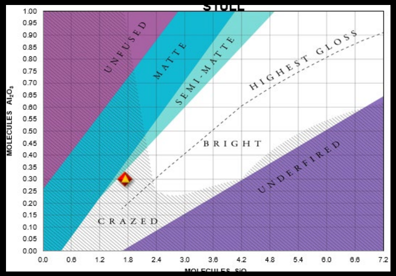
w/Cornwall

w/Lithium Carbonate









Ceramic Materials Workshop

ceramicmaterialsworkshop.com

Lab 4-Alkali Metals-Reduction

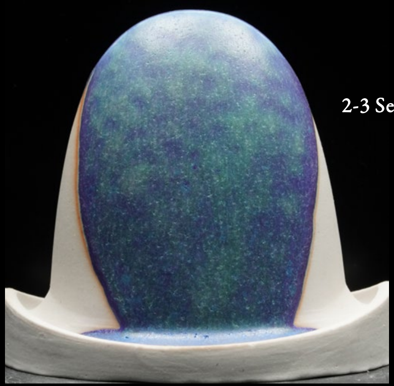





1-3 Second Dip

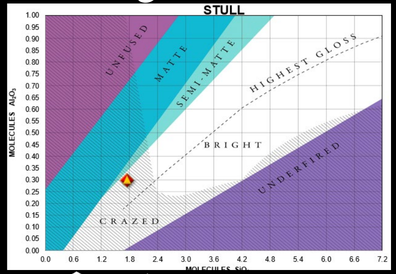
062922-1 | 062922-35 | 062922-36 | 062922-37 | 062922-X1 | 062922-38

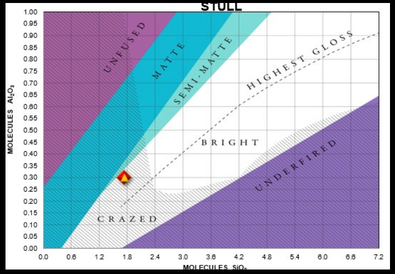


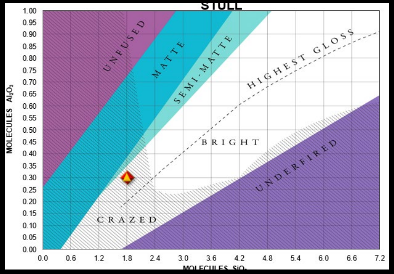


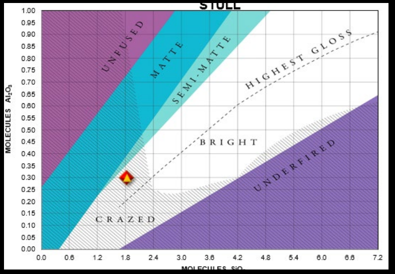

2-3 Second Dips

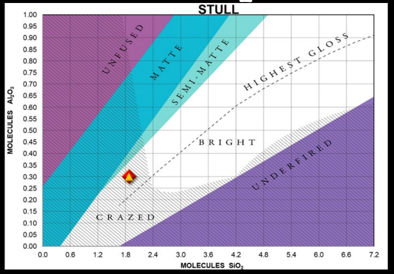
Original (NS) | w/Mahavir | w/Custer | w/G200EU | w/Minspar | w/Spodumene

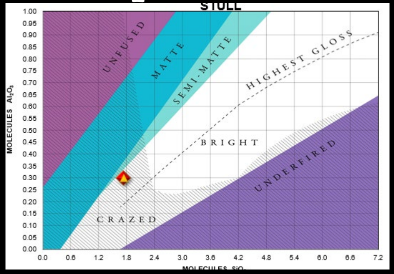








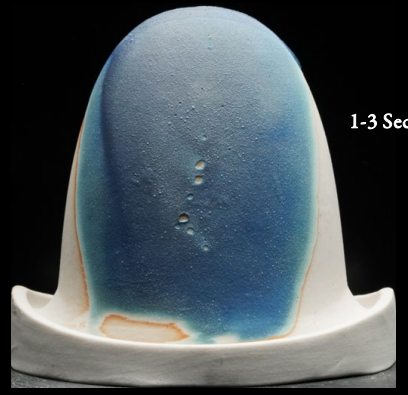




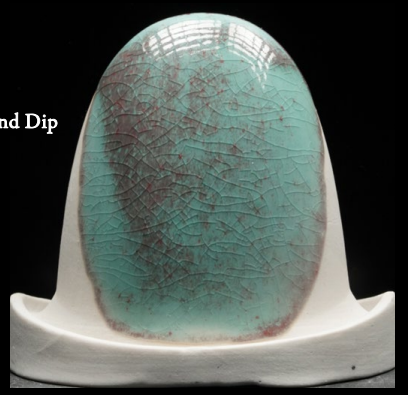
Lab 4-Alkali Metals-Reduction

1-3 Second Dip

062922-1



062922-40

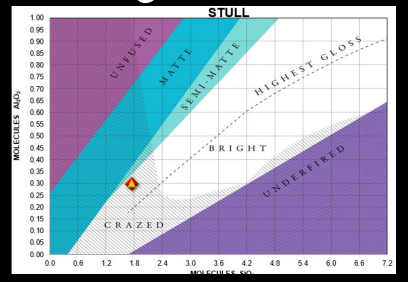


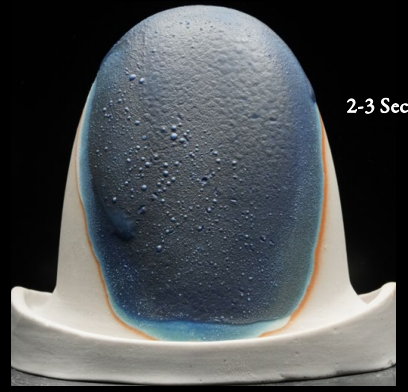
062922-41

062922-42

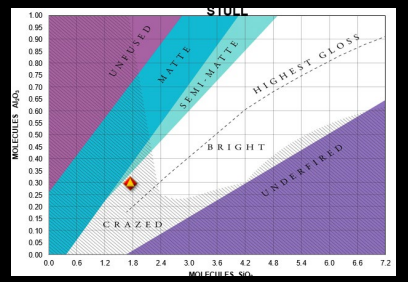
2-3 Second Dips

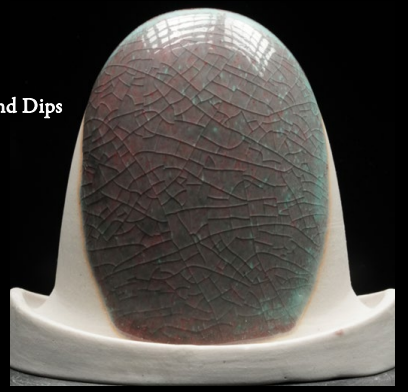
Original (NS)



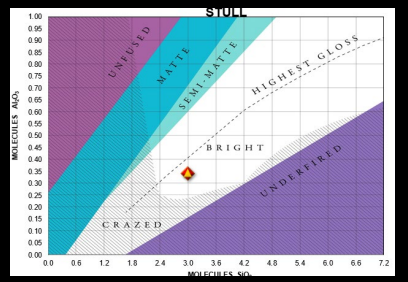


w/Frit 3110

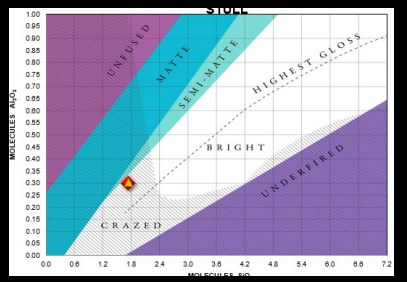




w/Cornwall



w/Lithium Carbonate



Ceramic Materials Workshop

ceramicmaterialsworkshop.com

Lab 4-Alkaline Earth-Oxidation

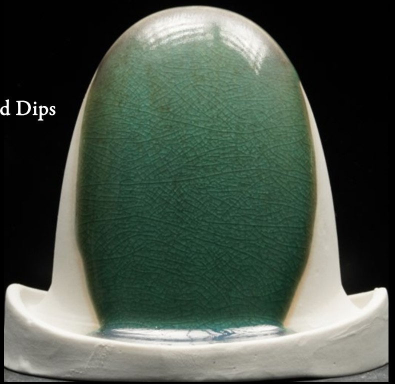
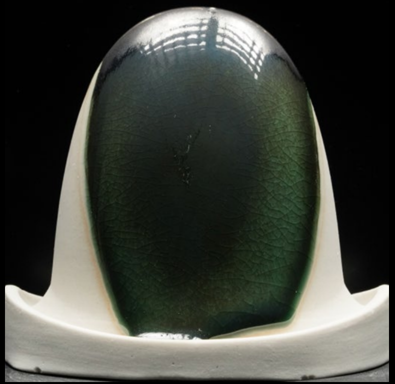





1-3 Second Dip

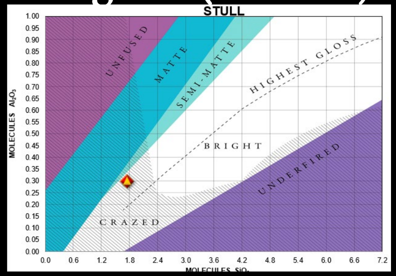
062922-1 | 062922-43 | 062922-44 | 062922-45 | 062922-46 | 062922-47

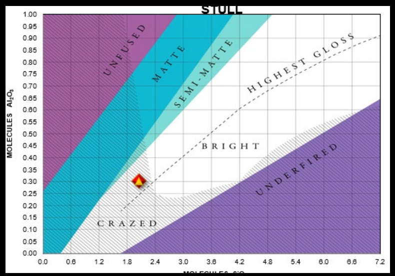


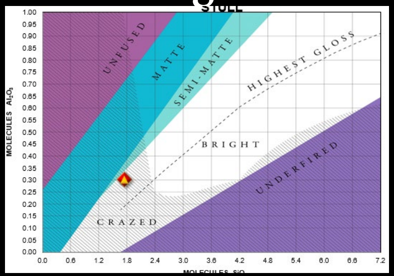




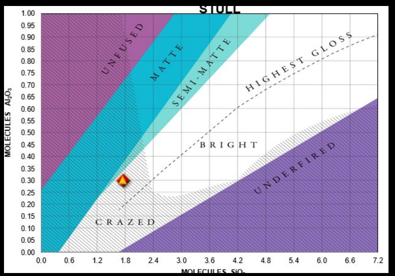

2-3 Second Dips

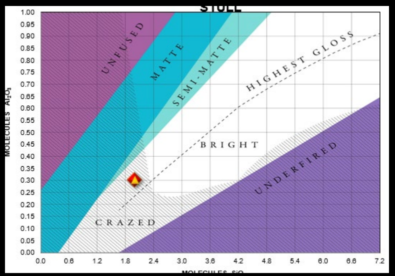
Original (Barium) | w/Talc | w/Mag Carb | w/Dolomite | w/Wollastonite | w/Strontium Carb

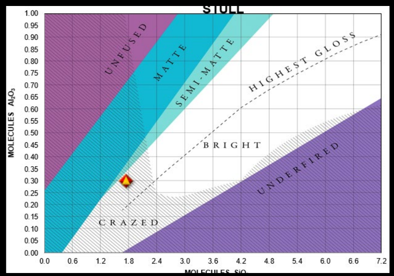








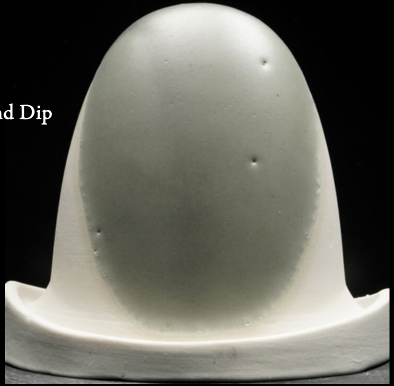




Ceramic Materials Workshop

Lab 4-Alkaline Earth-Oxidation

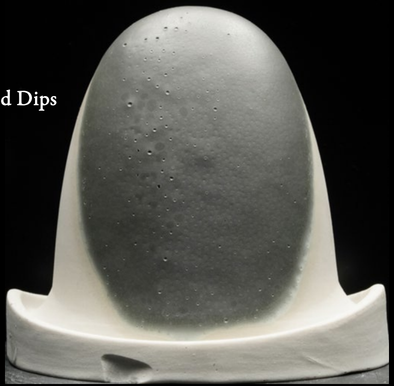





1-3 Second Dip

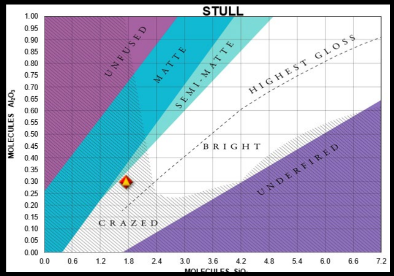
062922-1 | 062922-48 | 062922-49 | 062922-50

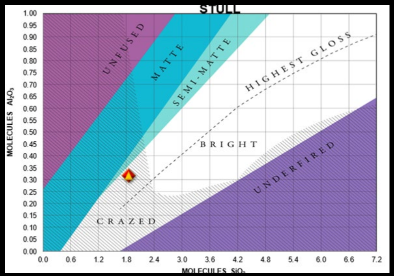


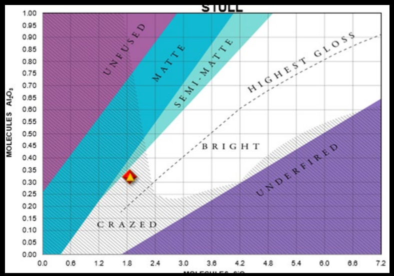



2-3 Second Dips

Original (Barium) | w/Whiting | w/Zinc Oxide | w/Bone Ash



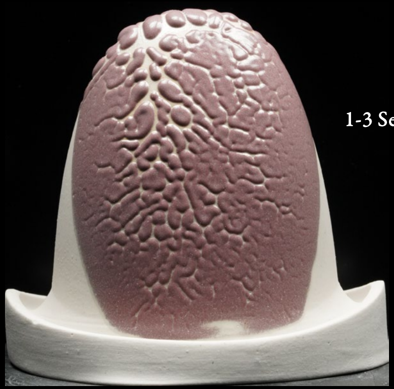




Ceramic
Materials
Workshop

Lab 4-Alkaline Earth-Reduction

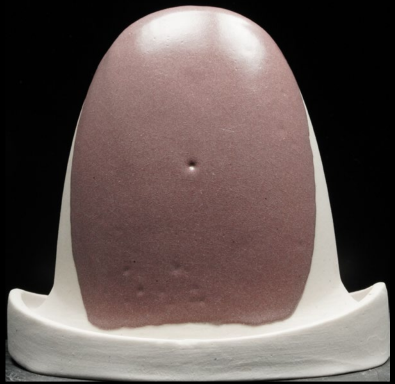




1-3 Second Dip



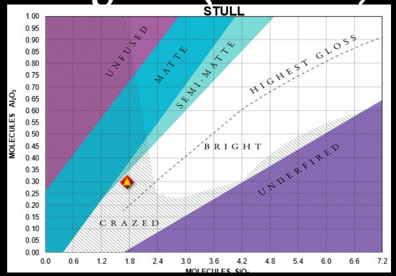
062922-1 | 062922-43 | 062922-44 | 062922-45 | 062922-46 | 062922-47

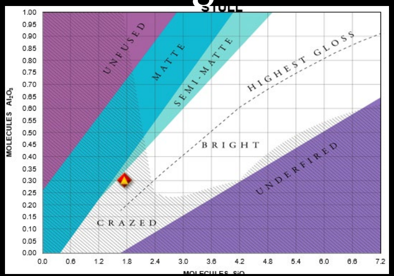



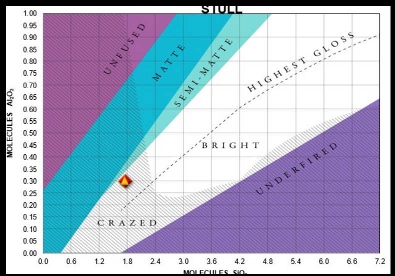

2-3 Second Dips

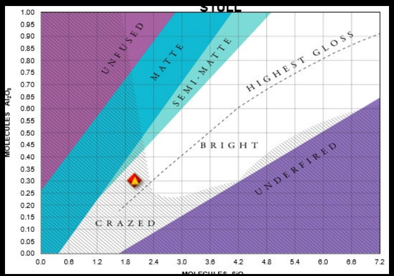


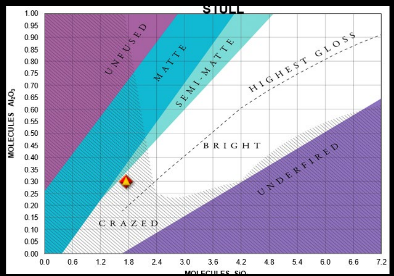
Original (Barium) | w/Talc | w/Mag Carb | w/Dolomite | w/Wollastonite | w/Strontium Carb











Ceramic Materials Workshop

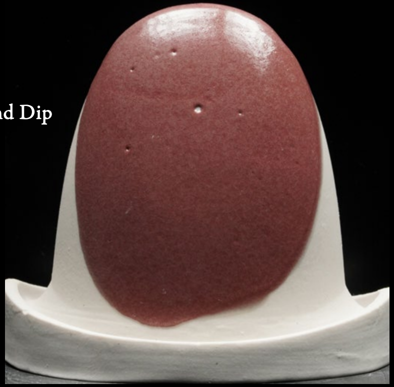
ceramicmaterialsworkshop.com

Lab 4-Alkaline Earth-Reduction

1-3 Second Dip

062922-1

062922-48



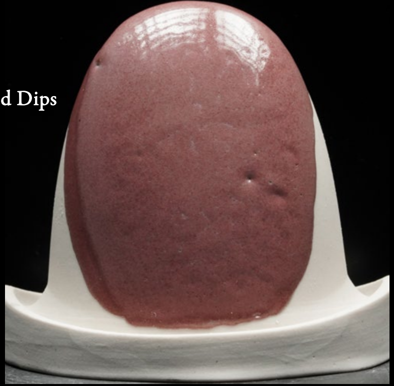
062922-49

062922-50

2-3 Second Dips

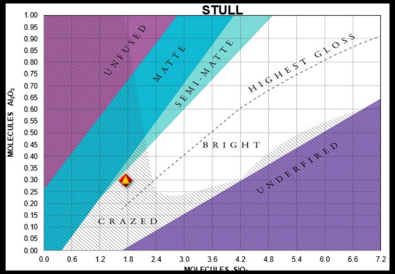
Original (W)

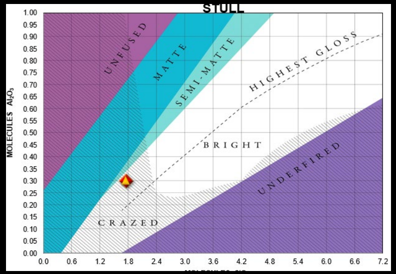
w/Whiting

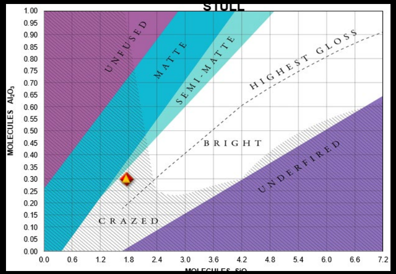


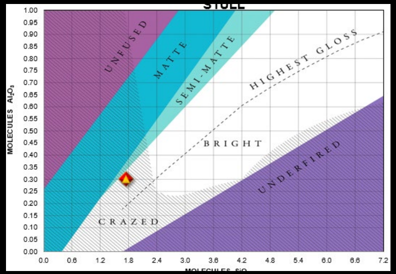
w/Zinc Oxide

w/Bone Ash









Ceramic
Materials
Workshop

ceramicmaterialsworkshop.com

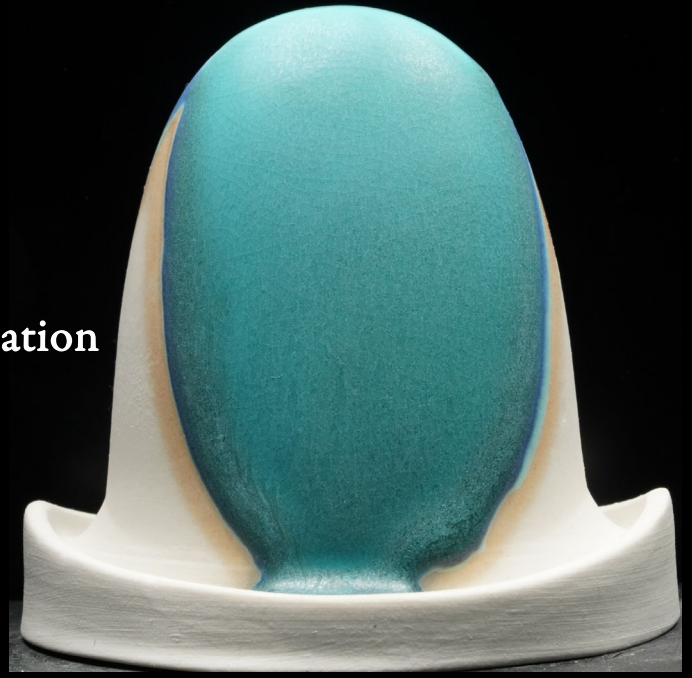
Peacock

Original
062922-1

Neph Sy	36.62
Barium Carb	46.57
EPK	6.63
Flint	10.19
Copper Carbonate	3.09
Water	70

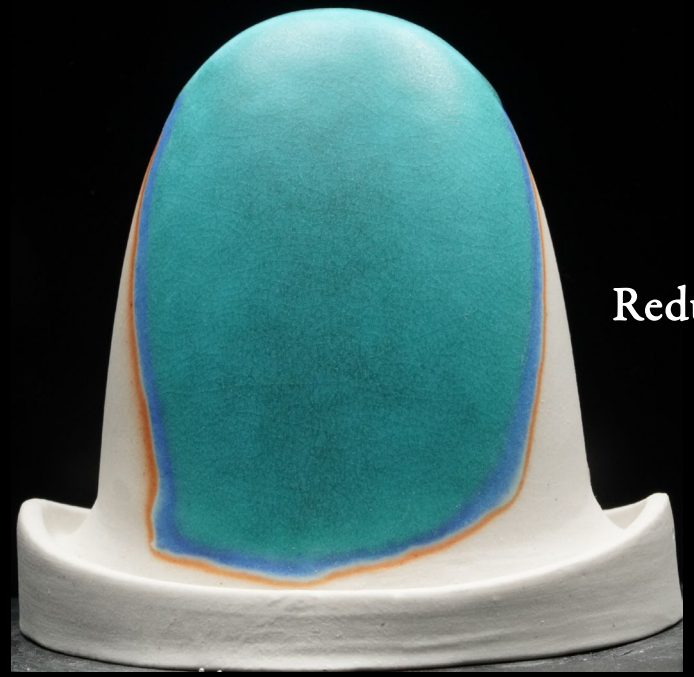
Oxidation

1-3 Second Dip



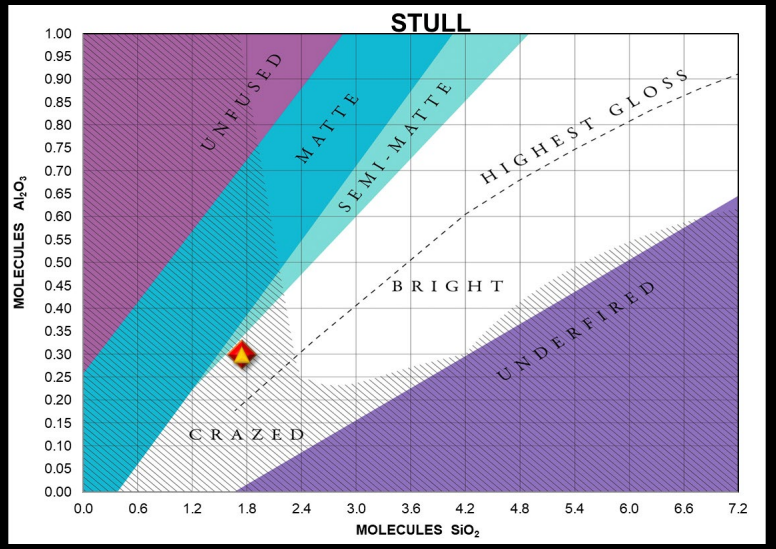
2-3 Second Dips

Reduction



UMF

SiO_2:Al_2O_3 Ratio 5.80 :1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO_2 1.88	Collective "Al_2O_3" 0.32	Na_2O 0.19	K_2O 0.05	MgO 0.00	CaO 0.01
B_2O_3	Al_2O_3 0.32	Li_2O	CuO	SrO	BaO 0.74
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



EUMF

SiO_2:Al_2O_3 Ratio 5.80 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO_2 1.74	Collective "Al_2O_3" 0.30	Na_2O 0.18	K_2O 0.05	MgO 0.00	CaO 0.01
B_2O_3	Al_2O_3 0.30	Li_2O	CuO 0.07	SrO	BaO 0.69
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO

Ceramic Materials Workshop

ceramicmaterialsworkshop.com

Peacock

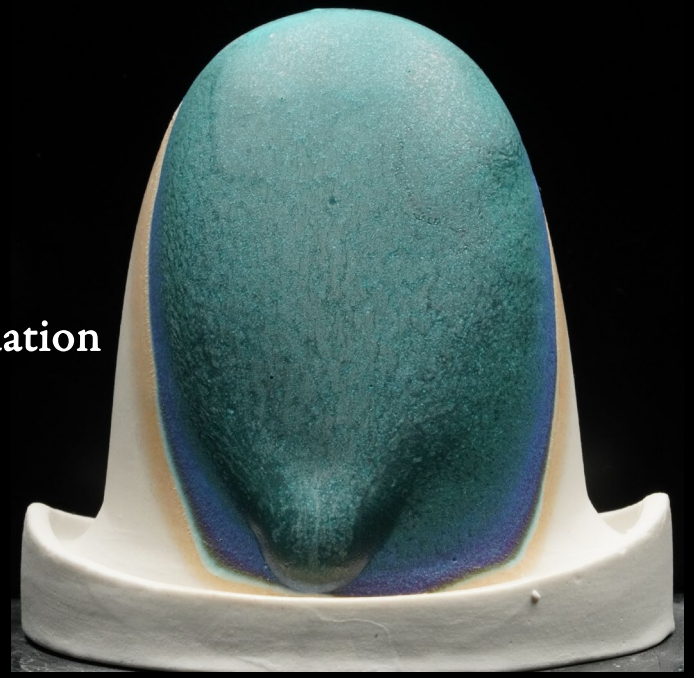
Chemical Match Mahavir Feldspar

062922-35

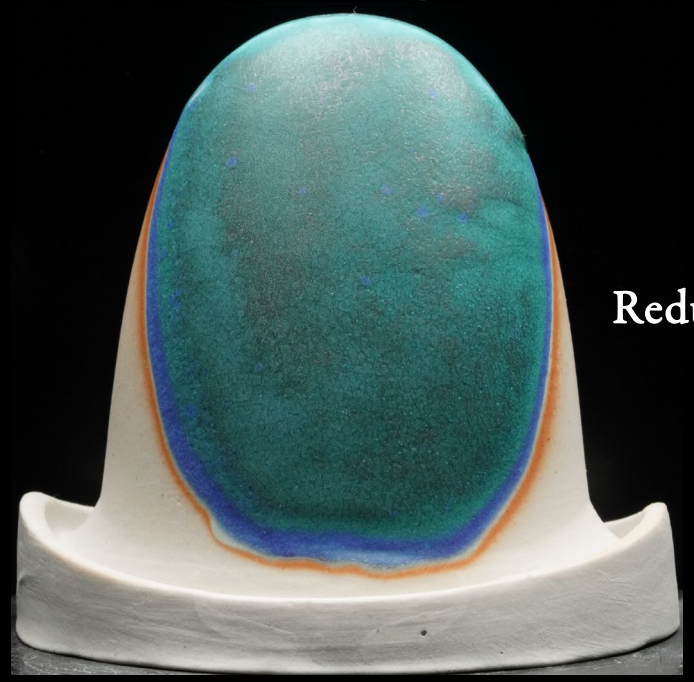
Mahavir	45.51
Barium Carb	45.90
EPK	6.88
Flint	1.71
Copper Carbonate	3.05
Water	70

1-3 Second Dip

Oxidation



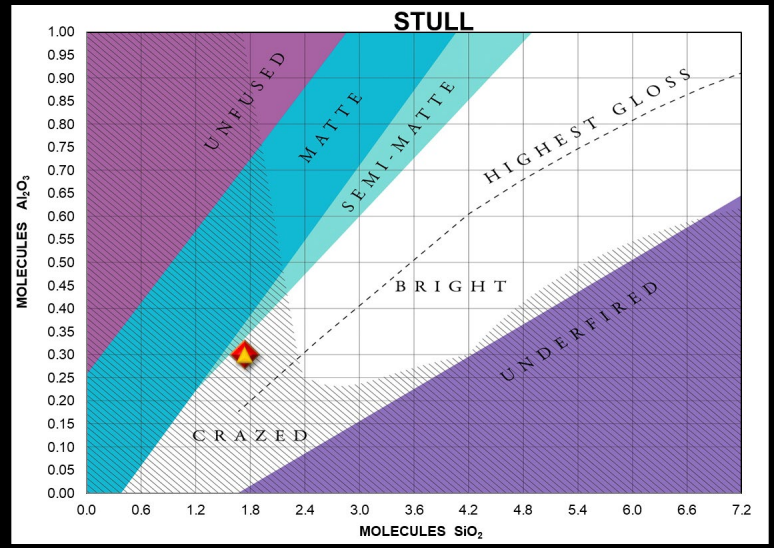
2-3 Second Dips



Reduction

UMF

SiO_2:Al_2O_3 Ratio 5.78 :1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO_2 1.88	Collective "Al_2O_3" 0.32	Na_2O 0.07	K_2O 0.18	MgO 0.01	CaO 0.00
B_2O_3	Al_2O_3 0.32	Li_2O	CuO	SrO	BaO 0.74
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.01
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



EUMF

SiO_2:Al_2O_3 Ratio 5.78 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO_2 1.74	Collective "Al_2O_3" 0.30	Na_2O 0.06	K_2O 0.16	MgO 0.01	CaO 0.00
B_2O_3	Al_2O_3 0.30	Li_2O	CuO 0.07	SrO	BaO 0.68
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.01
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO

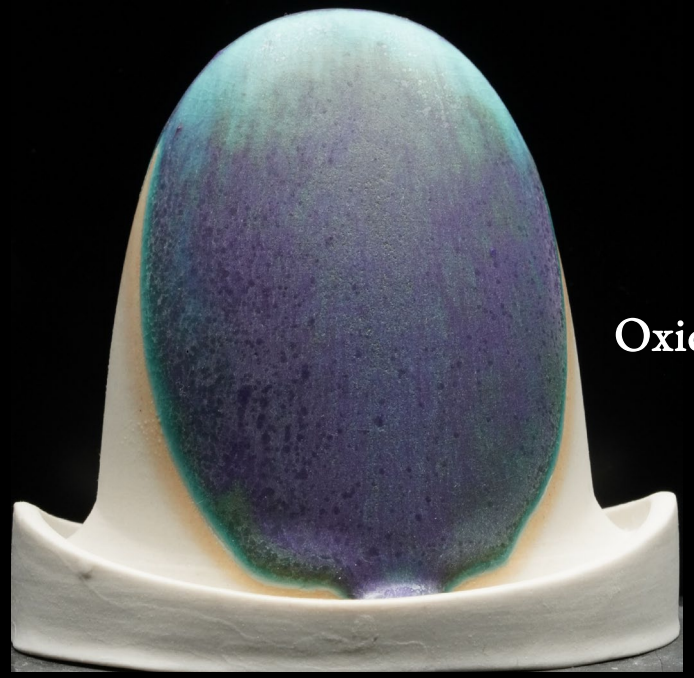
Ceramic Materials Workshop

ceramicmaterialsworkshop.com

Peacock

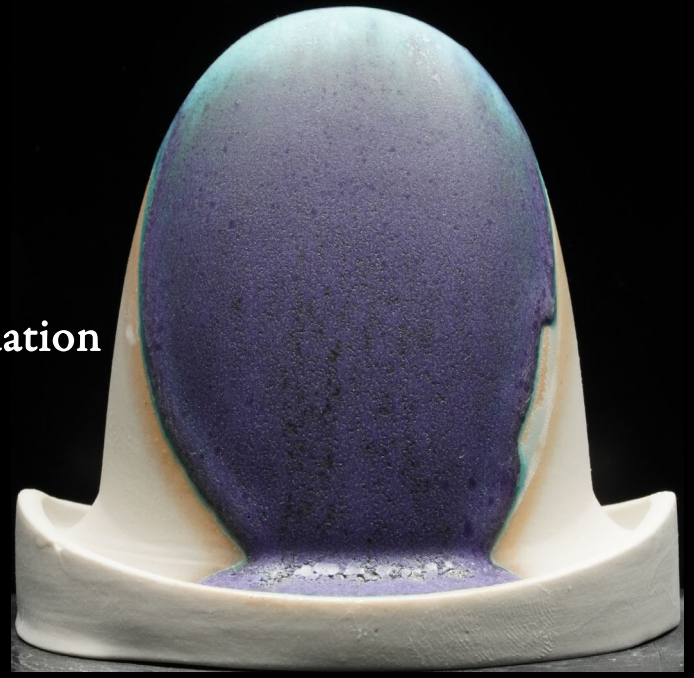
Chemical Match
Custer Feldspar
062922-36

Custer 2022	51.67
Barium Carb	43.69
EPK	4.64
Flint	
Copper Carbonate	3.09
Water	70



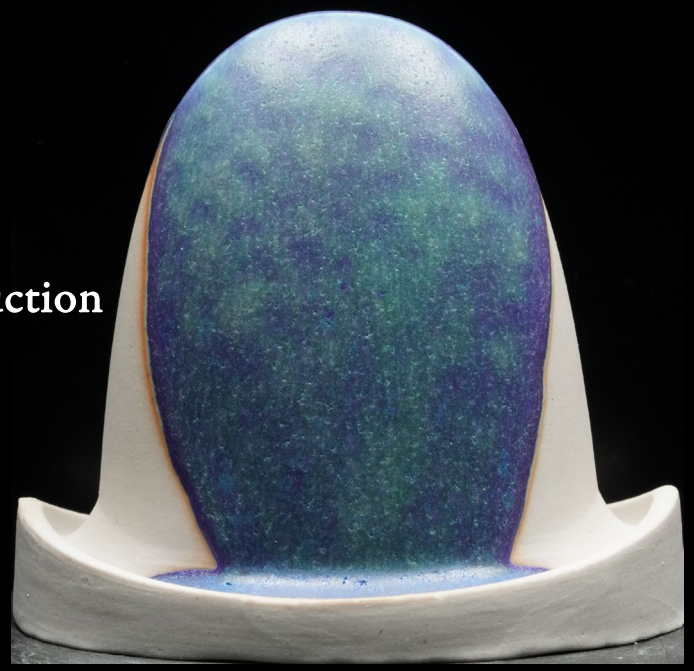
1-3 Second Dip

Oxidation



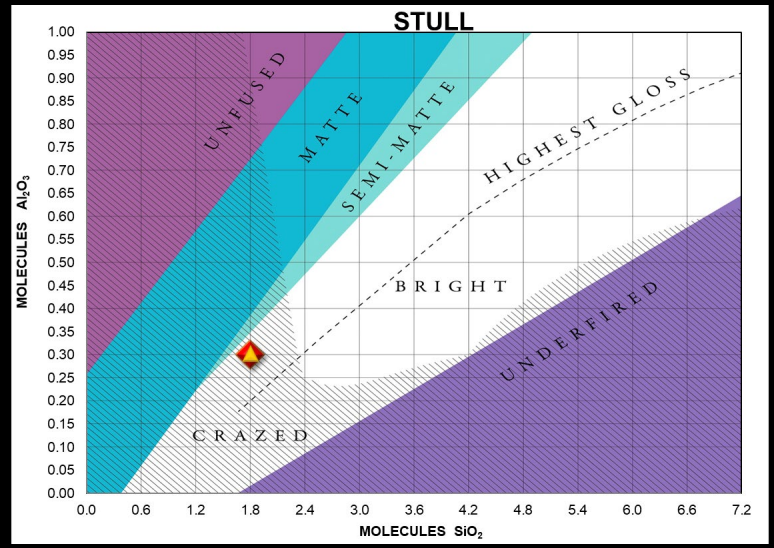
2-3 Second Dips

Reduction



UMF

SiO_2:Al_2O_3 Ratio 5.94 :1		Alkali Metals 0.29		Alkaline Earths 0.71	
SiO_2 1.94	Collective "Al_2O_3" 0.33	Na_2O 0.12	K_2O 0.17	MgO 0.00	CaO 0.01
B_2O_3	Al_2O_3 0.32	Li_2O	CuO	SrO	BaO 0.70
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.01
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



EUMF

SiO_2:Al_2O_3 Ratio 5.94 :1		Alkali Metals 0.34		Alkaline Earths 0.66	
SiO_2 1.80	Collective "Al_2O_3" 0.30	Na_2O 0.11	K_2O 0.16	MgO 0.00	CaO 0.01
B_2O_3	Al_2O_3 0.30	Li_2O	CuO 0.07	SrO	BaO 0.64
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO

Ceramic Materials Workshop

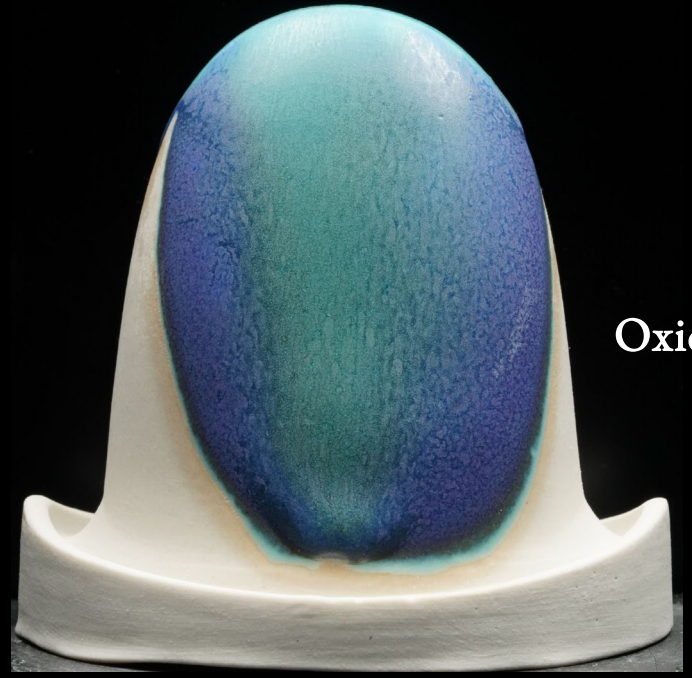
ceramicmaterialsworkshop.com

Peacock

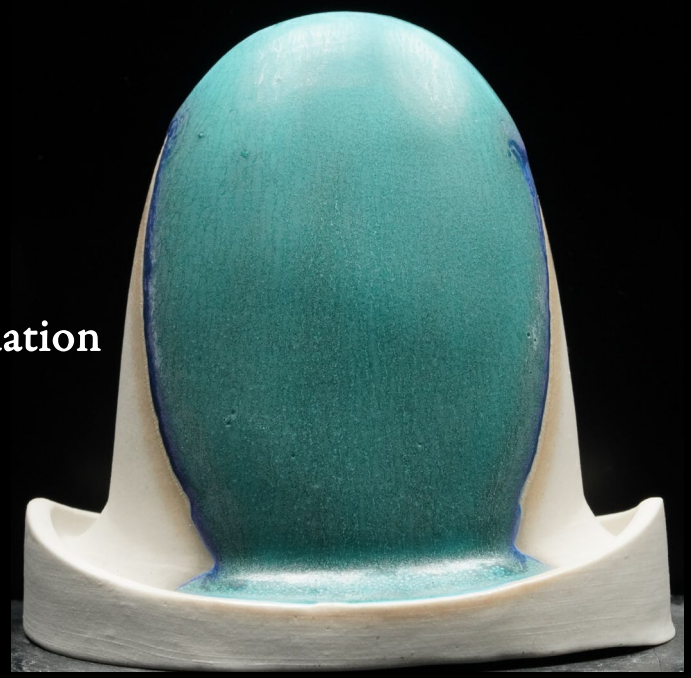
Chemical Match G200EU Feldspar 062922-37

G200 EU	50.54
Barium Carb	44.78
EPK	4.68
Flint	
Copper Carbonate	3.09
Water	70

Oxidation

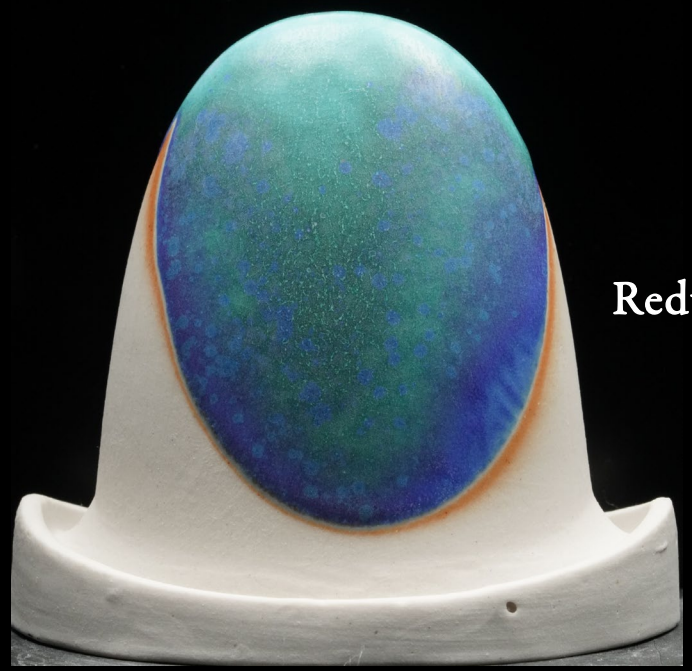


1-3 Second Dip



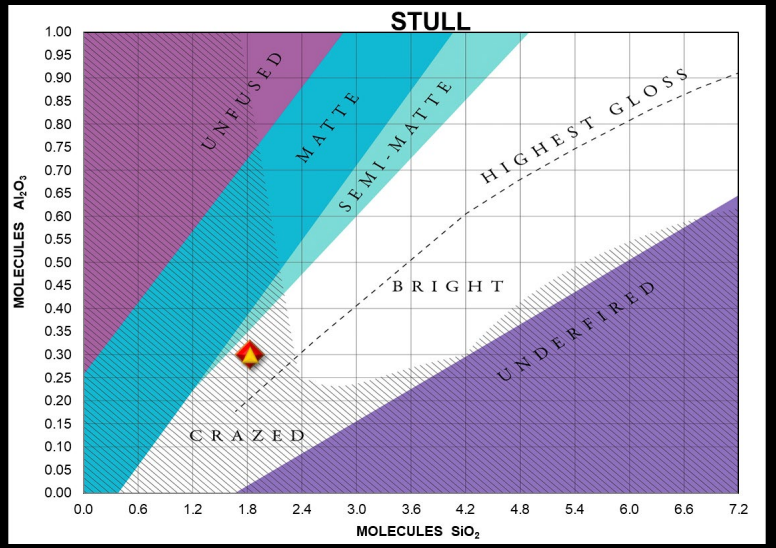
2-3 Second Dips

Reduction



UMF

SiO_2:Al_2O_3 Ratio 6.11 :1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO_2 1.98	Collective "Al_2O_3" 0.32	Na_2O 0.06	K_2O 0.19	MgO 0.00	CaO 0.01
B_2O_3	Al_2O_3 0.32	Li_2O	CuO	SrO	BaO 0.73
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.01
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



EUMF

SiO_2:Al_2O_3 Ratio 6.11 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO_2 1.83	Collective "Al_2O_3" 0.30	Na_2O 0.05	K_2O 0.18	MgO 0.00	CaO 0.01
B_2O_3	Al_2O_3 0.30	Li_2O	CuO 0.07	SrO	BaO 0.68
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.01
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO

Ceramic Materials Workshop

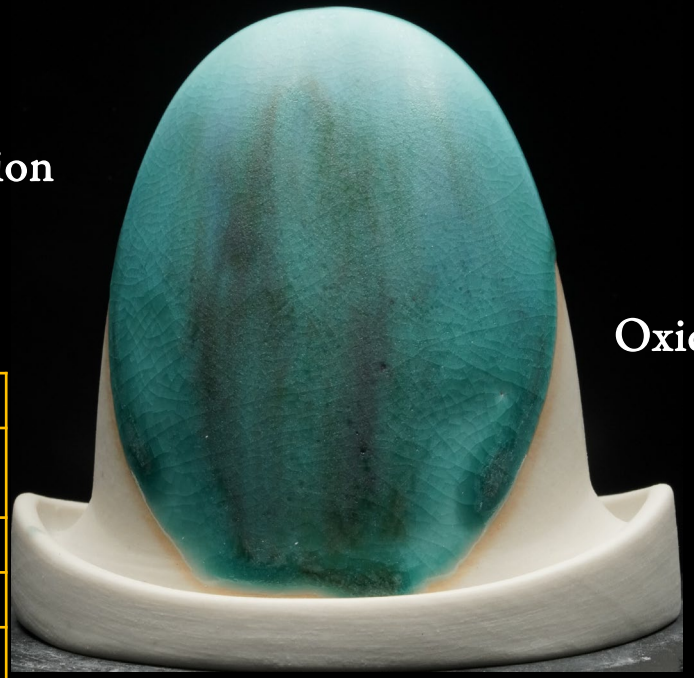
ceramicmaterialsworkshop.com

Peacock

Weight Substitution
Minspar Feldspar
062922-X

Minspar	54.17
Barium Carb	43.77
EPK	
Flint	
Bentonite	2
Cobalt Carbonate	1
Water	60

Oxidation



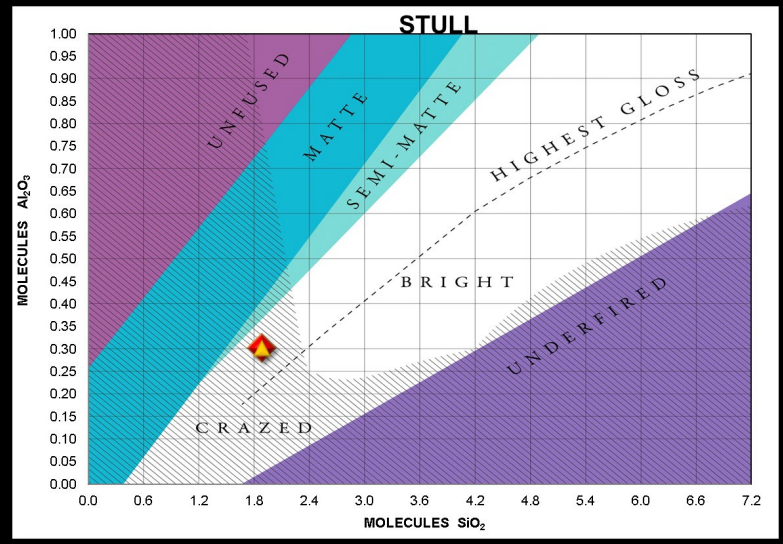
1-3 Second Dip

2-3 Second Dips

Reduction

UMF

SiO_2:Al_2O_3 Ratio 6.25 :1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO_2 2.04	Collective "Al_2O_3" 0.33	Na_2O 0.18	K_2O 0.07	MgO 0.00	CaO 0.04
B_2O_3	Al_2O_3 0.33	Li_2O	CuO	SrO 0.00	BaO 0.70
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



EUMF

SiO_2:Al_2O_3 Ratio 7.83 :1		Alkali Metals 0.20		Alkaline Earths 0.80	
SiO_2 2.07	Collective "Al_2O_3" 0.26	Na_2O 0.14	K_2O 0.06	MgO 0.37	CaO 0.40
B_2O_3	Al_2O_3 0.26	Li_2O	CuO	SrO 0.00	BaO 0.00
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO 0.02

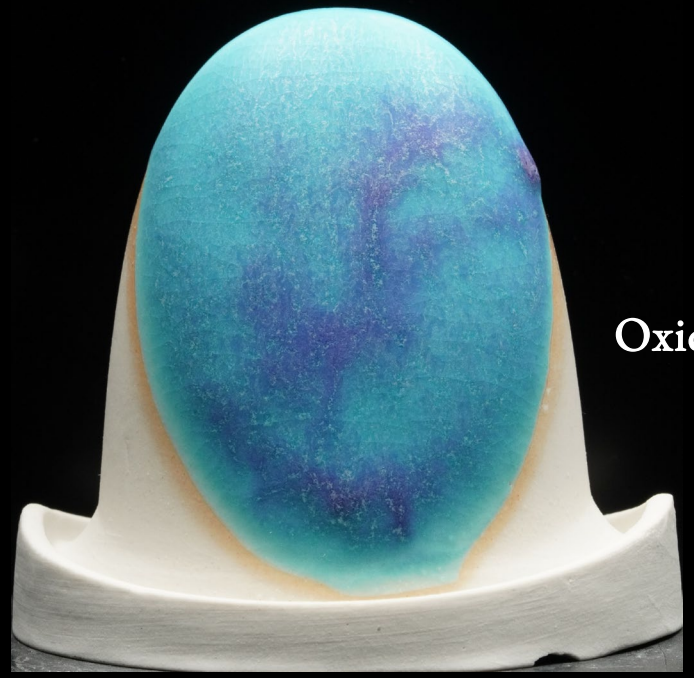
Ceramic Materials Workshop

ceramicmaterialsworkshop.com

Peacock

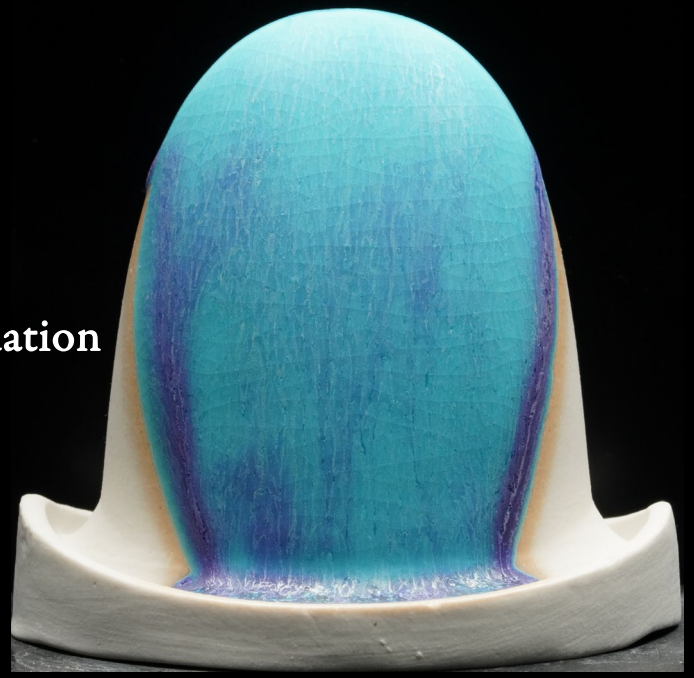
Chemical Match Spodumene 062922-38

Spodumene	31.40
Barium Carb	48.40
EPK	6.74
Flint	13.46
Copper Carbonate	3.09
Water	70

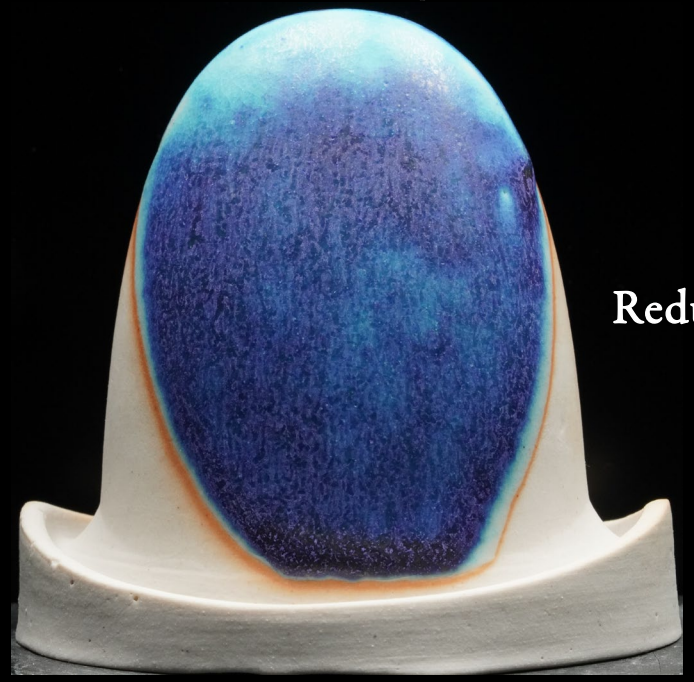


1-3 Second Dip

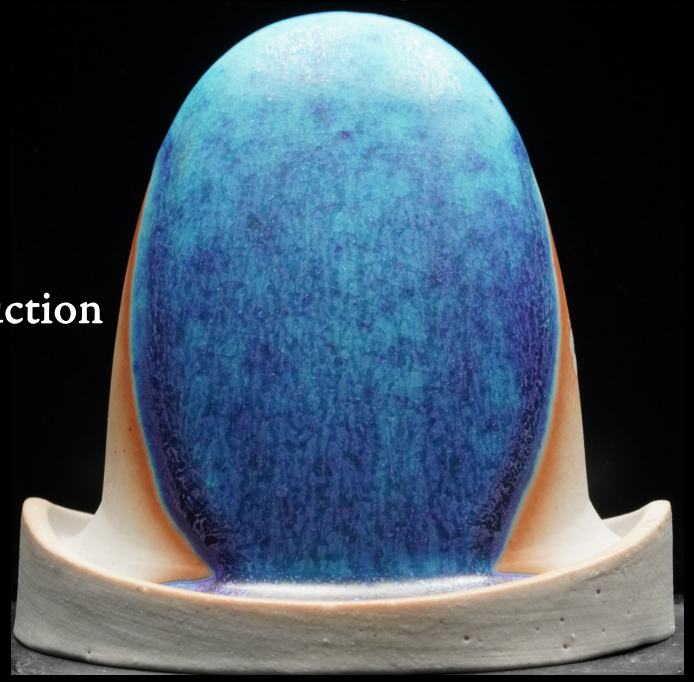
Oxidation



2-3 Second Dips

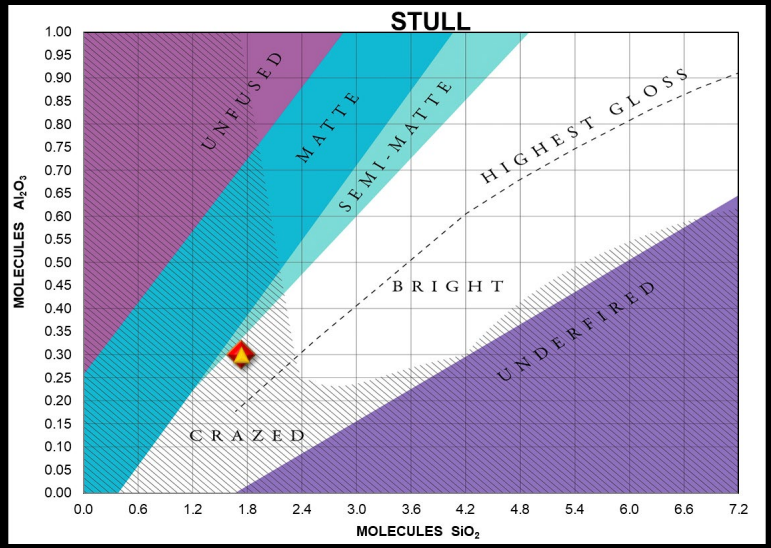


Reduction



UMF

SiO_2:Al_2O_3 Ratio 5.78 :1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO_2 1.87	Collective "Al_2O_3" 0.32	Na_2O 0.00	K_2O 0.00	MgO 0.00	CaO 0.00
B_2O_3	Al_2O_3 0.32	Li_2O 0.24	CuO	SrO	BaO 0.74
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



EUMF

SiO_2:Al_2O_3 Ratio 5.78 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO_2 1.74	Collective "Al_2O_3" 0.30	Na_2O 0.00	K_2O 0.00	MgO 0.00	CaO 0.00
B_2O_3	Al_2O_3 0.30	Li_2O 0.23	CuO 0.07	SrO	BaO 0.69
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO

Ceramic Materials Workshop

ceramicmaterialsworkshop.com

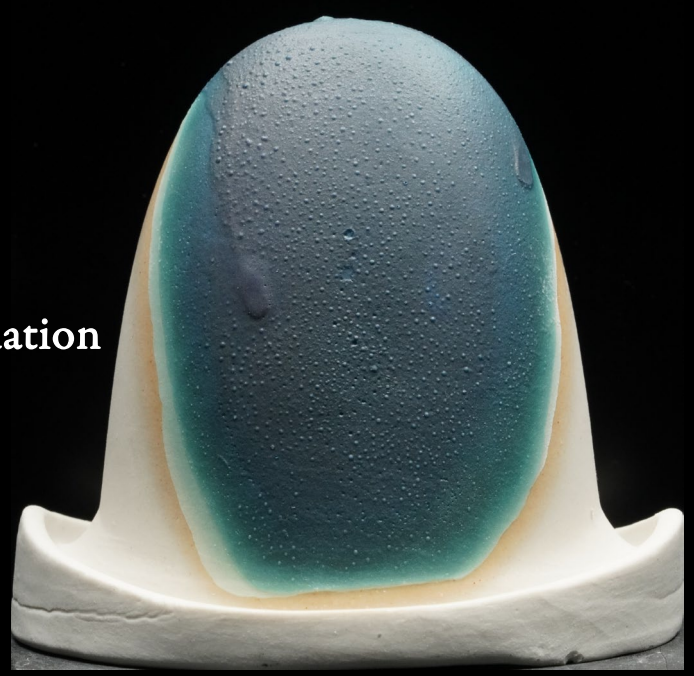
Peacock

Chemical Match
Frit 3110
062922-40

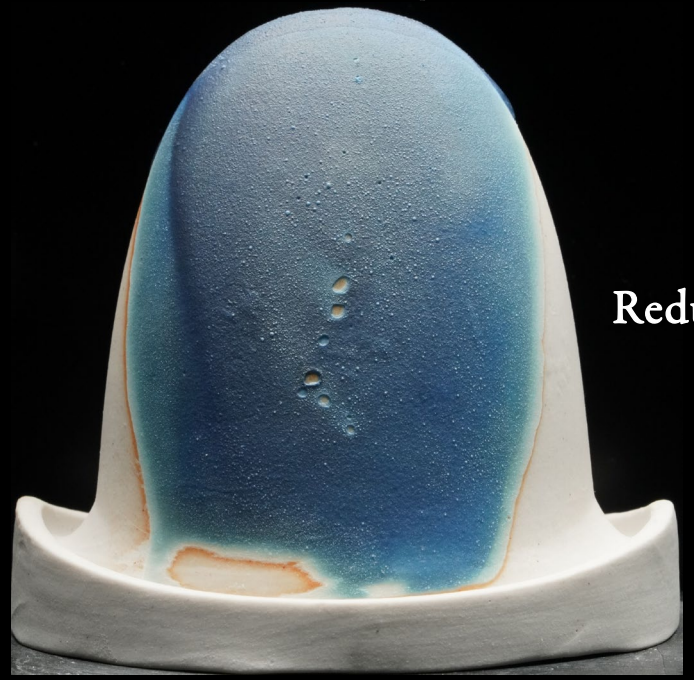
3110	28.74
Barium Carb	41.00
EPK	26.89
Flint	3.36
Copper Carbonate	3.09
Water	70

1-3 Second Dip

Oxidation



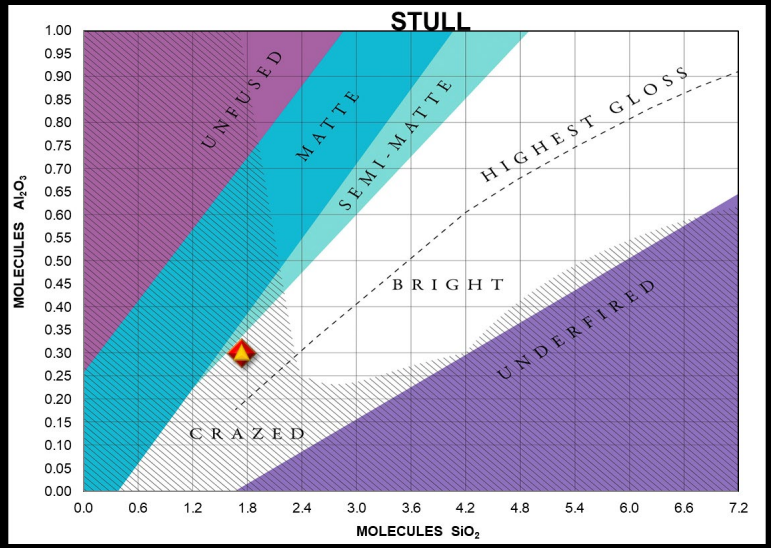
2-3 Second Dips



Reduction

UMF

SiO_2:Al_2O_3 Ratio 5.74 :1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO_2 1.88	Collective "Al_2O_3" 0.33	Na_2O 0.22	K_2O 0.02	MgO 0.00	CaO 0.10
B_2O_3 0.03	Al_2O_3 0.32	Li_2O	CuO	SrO	BaO 0.64
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.01
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



EUMF

SiO_2:Al_2O_3 Ratio 5.74 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO_2 1.74	Collective "Al_2O_3" 0.30	Na_2O 0.21	K_2O 0.02	MgO 0.00	CaO 0.09
B_2O_3 0.03	Al_2O_3 0.30	Li_2O	CuO 0.07	SrO	BaO 0.59
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.01
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO

Ceramic Materials Workshop

ceramicmaterialsworkshop.com

Peacock

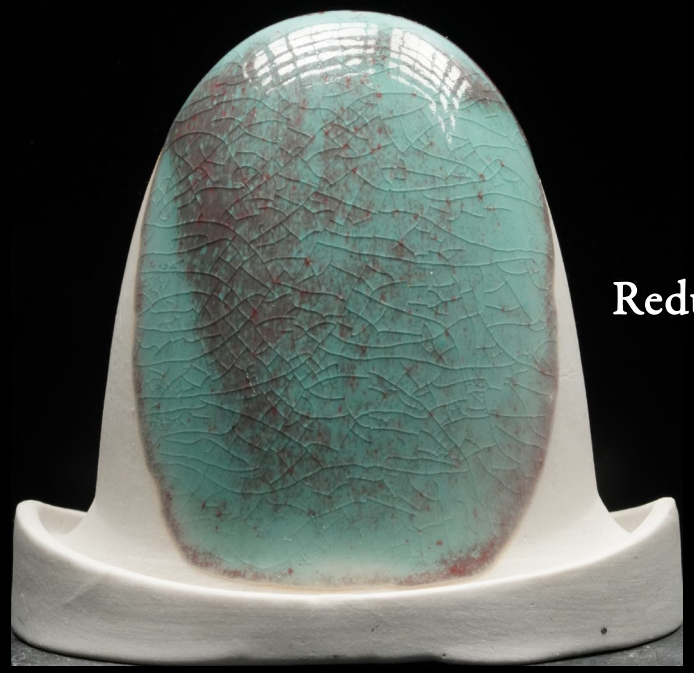
Chemical Match
Cornwall Stone
062922-41

Cornwall	65.85
Barium Carb	34.15
EPK	
Flint	
Bentonite	2.14
Copper Carbonate	3.22
Water	80

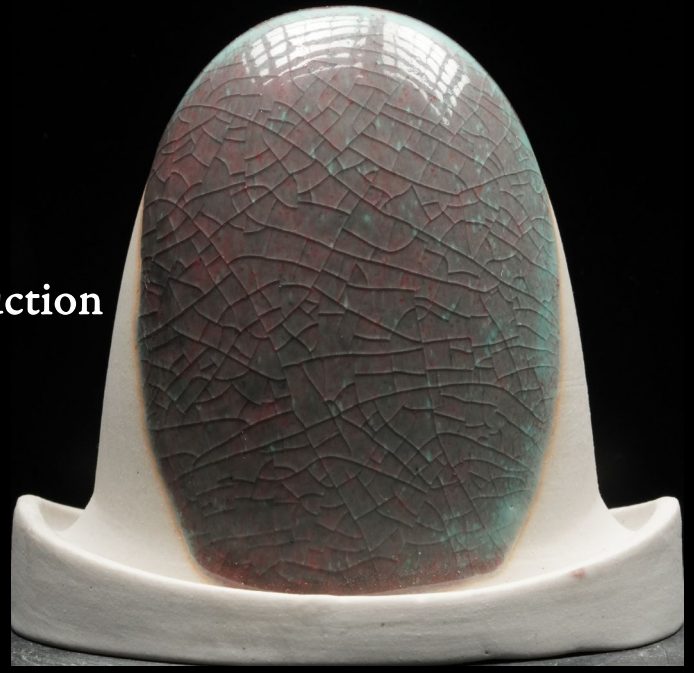
1-3 Second Dip

Oxidation

2-3 Second Dips



Reduction

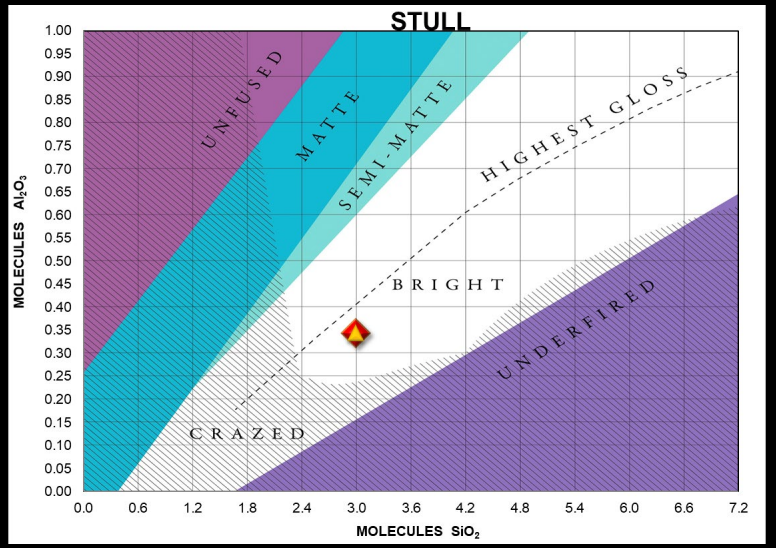


ceramicmaterialsworkshop.com

Ceramic Materials Workshop

UMF

SiO_2:Al_2O_3 Ratio 8.69 :1		Alkali Metals 0.23		Alkaline Earths 0.77	
SiO_2 3.30	Collective "Al_2O_3" 0.38	Na_2O 0.13	K_2O 0.10	MgO 0.01	CaO 0.07
B_2O_3	Al_2O_3 0.38	Li_2O	CuO	SrO	BaO 0.68
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.01
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



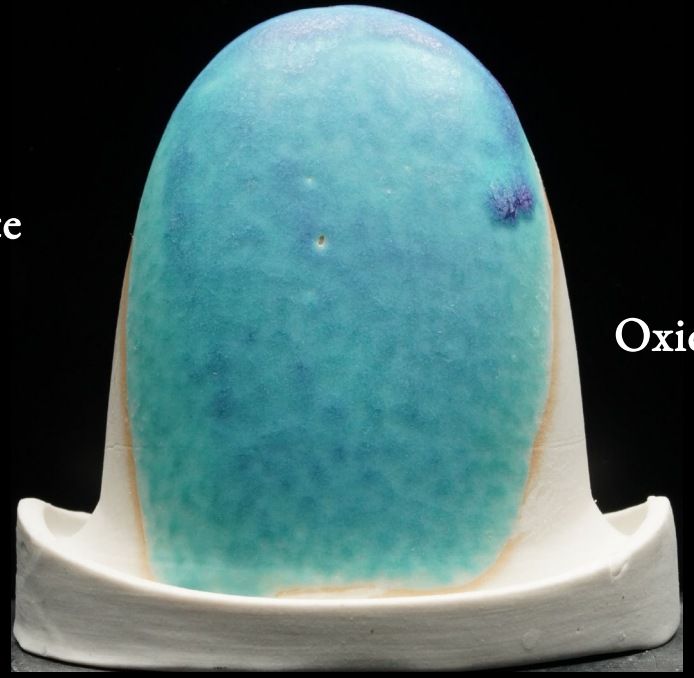
EUMF

SiO_2:Al_2O_3 Ratio 8.69 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO_2 2.99	Collective "Al_2O_3" 0.34	Na_2O 0.11	K_2O 0.09	MgO 0.01	CaO 0.06
B_2O_3	Al_2O_3 0.34	Li_2O	CuO 0.09	SrO	BaO 0.62
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.01
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO

Peacock

Chemical Match
Lithium Carbonate
062922-42

Lithium Carb	5.51
Barium Carb	44.95
EPK	28.49
Flint	21.05
Copper Carbonate	3.09
Water	70



1-3 Second Dip

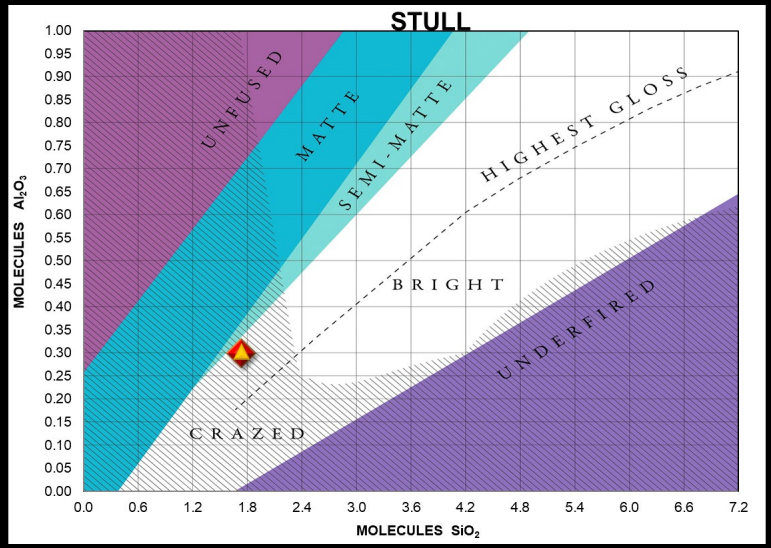
Oxidation

2-3 Second Dips

Reduction

UMF

SiO_2:Al_2O_3 Ratio 5.72 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO_2 1.88	Collective "Al_2O_3" 0.33	Na_2O	K_2O 0.00	MgO 0.00	CaO 0.00
B_2O_3	Al_2O_3 0.32	Li_2O 0.24	CuO	SrO	BaO 0.74
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.01
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



EUMF

SiO_2:Al_2O_3 Ratio 5.72 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO_2 1.74	Collective "Al_2O_3" 0.30	Na_2O	K_2O 0.00	MgO 0.00	CaO 0.00
B_2O_3	Al_2O_3 0.30	Li_2O 0.22	CuO 0.08	SrO	BaO 0.68
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.01
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO

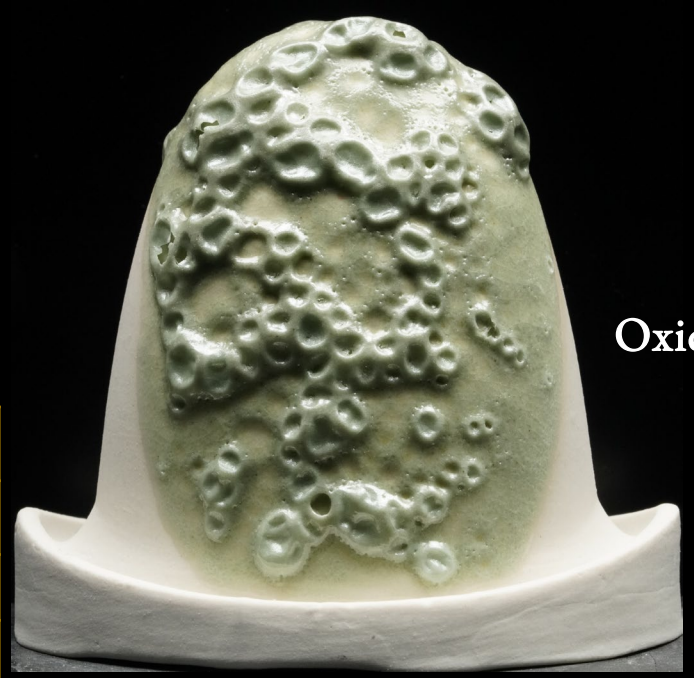
Ceramic Materials Workshop

ceramicmaterialsworkshop.com

Peacock

Chemical Match
Talc
062922-43

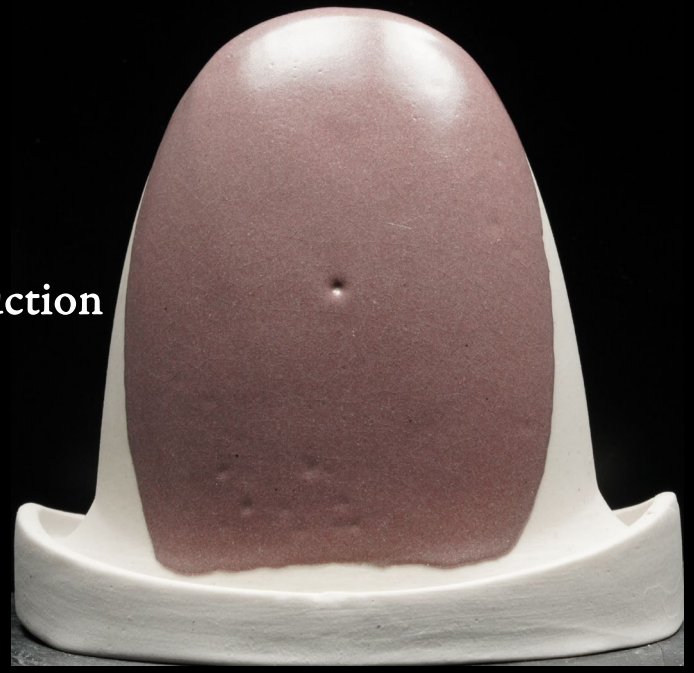
Neph Sy	53.03
Talc	39.93
EPK	7.04
Flint	
Copper Carbonate	3.10
Water	70



1-3 Second Dip

Oxidation

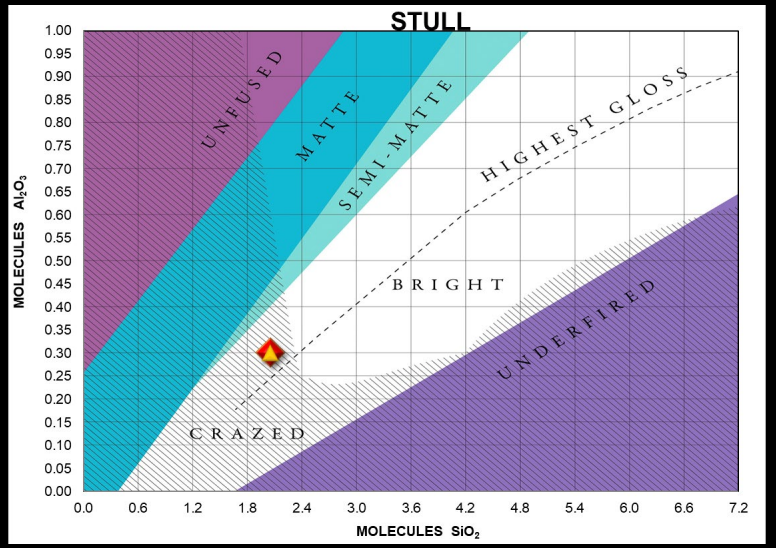
2-3 Second Dips



Reduction

UMF

SiO_2:Al_2O_3 Ratio 6.80 :1		Alkali Metals 0.26		Alkaline Earths 0.74	
SiO_2 2.17	Collective "Al_2O_3" 0.32	Na_2O 0.20	K_2O 0.06	MgO 0.66	CaO 0.06
B_2O_3	Al_2O_3 0.32	Li_2O	CuO	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.01
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



EUMF

SiO_2:Al_2O_3 Ratio 6.80 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO_2 2.05	Collective "Al_2O_3" 0.30	Na_2O 0.19	K_2O 0.06	MgO 0.63	CaO 0.06
B_2O_3	Al_2O_3 0.30	Li_2O	CuO 0.05	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.01
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO

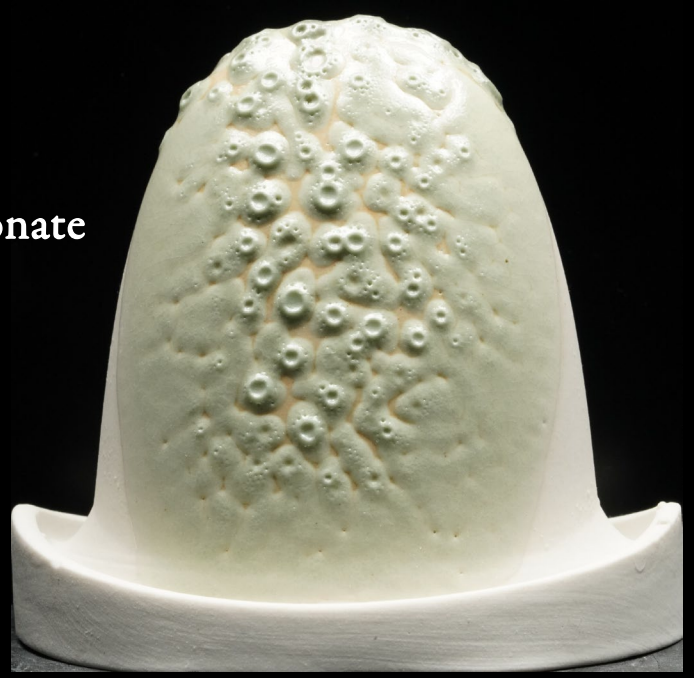
Ceramic Materials Workshop

ceramicmaterialsworkshop.com

Peacock

Chemical Match
Magnesium Carbonate
062922-44

Neph Sy	53.77
Mag Carbonate	26.66
EPK	6.91
Flint	12.66
Copper Carbonate	3.09
Water	160

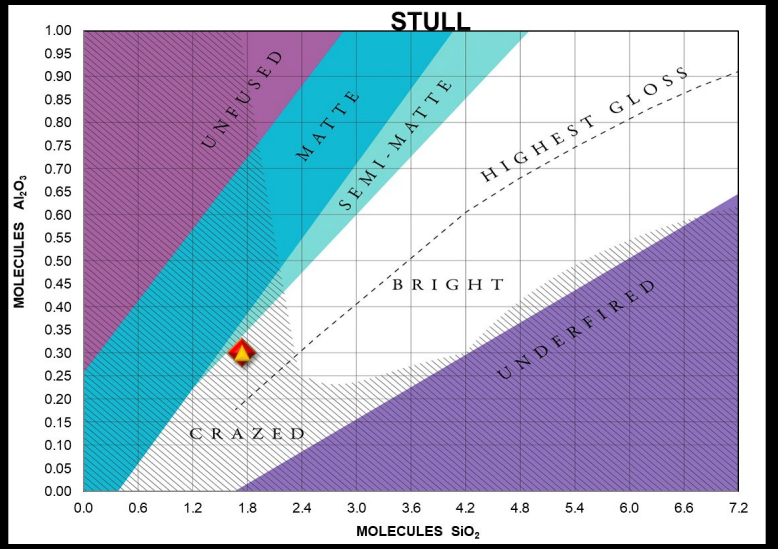


1-3 Second Dip

2-3 Second Dips

UMF

SiO_2:Al_2O_3 Ratio 5.77 :1		Alkali Metals 0.26		Alkaline Earths 0.74	
SiO_2 1.84	Collective "Al_2O_3" 0.32	Na_2O 0.20	K_2O 0.06	MgO 0.73	CaO 0.01
B_2O_3	Al_2O_3 0.32	Li_2O	CuO	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



EUMF

SiO_2:Al_2O_3 Ratio 5.77 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO_2 1.74	Collective "Al_2O_3" 0.30	Na_2O 0.19	K_2O 0.05	MgO 0.69	CaO 0.01
B_2O_3	Al_2O_3 0.30	Li_2O	CuO 0.05	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO

Ceramic Materials Workshop

ceramicmaterialsworkshop.com

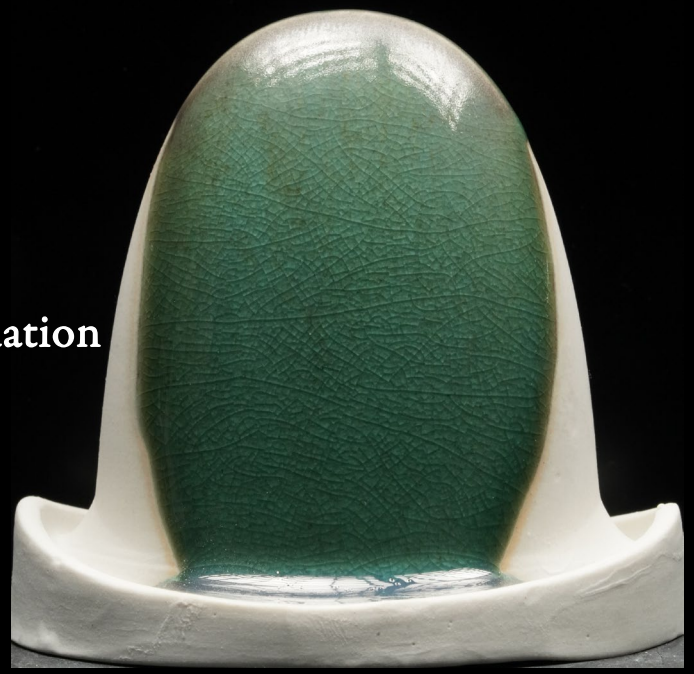
Peacock

Chemical Match Dolomite 062922-45

Neph Sy	51.70
Dolomite	28.91
EPK	6.97
Flint	12.42
Copper Carbonate	3.10
Water	70

Oxidation

1-3 Second Dip

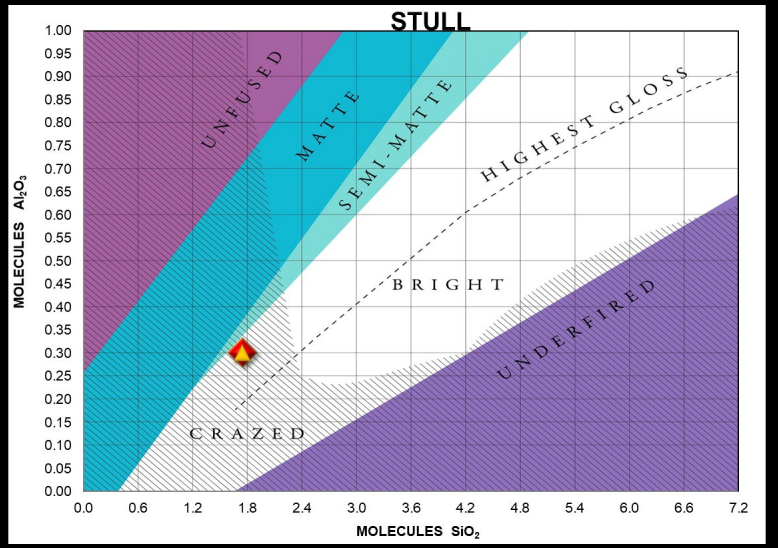


2-3 Second Dips

Reduction

UMF

SiO_2:Al_2O_3 Ratio 5.79 :1		Alkali Metals 0.26		Alkaline Earths 0.74	
SiO_2 1.85	Collective "Al_2O_3" 0.32	Na_2O 0.20	K_2O 0.06	MgO 0.37	CaO 0.37
B_2O_3	Al_2O_3 0.32	Li_2O	CuO	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



EUMF

SiO_2:Al_2O_3 Ratio 5.79 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO_2 1.75	Collective "Al_2O_3" 0.30	Na_2O 0.19	K_2O 0.05	MgO 0.35	CaO 0.35
B_2O_3	Al_2O_3 0.30	Li_2O	CuO 0.06	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO

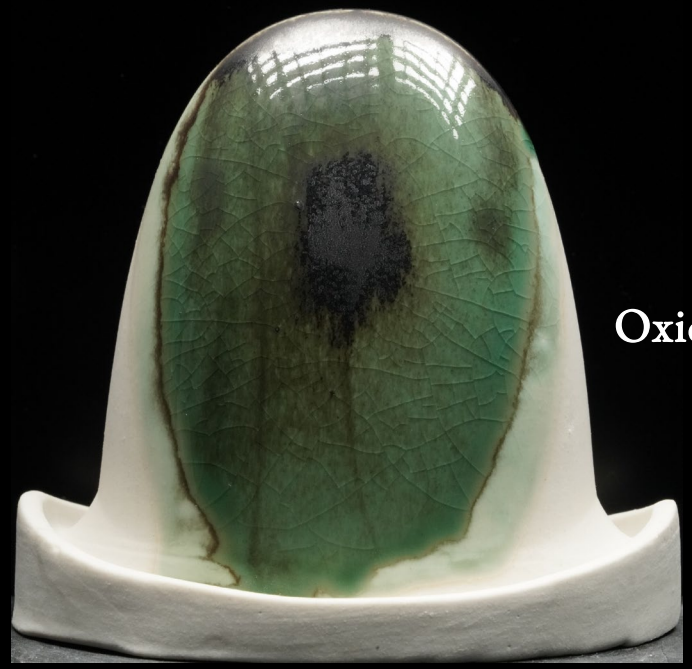
Ceramic Materials Workshop

ceramicmaterialsworkshop.com

Peacock

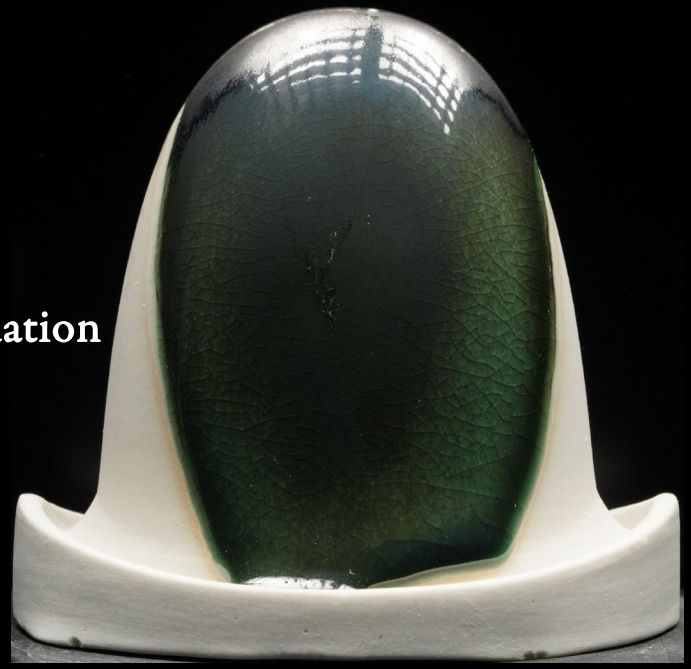
Chemical Match Wollastonite 062922-46

Neph Sy	53.59
Wollastonite	39.90
EPK	6.51
Flint	
Copper Carbonate	3.10
Water	70



1-3 Second Dip

Oxidation

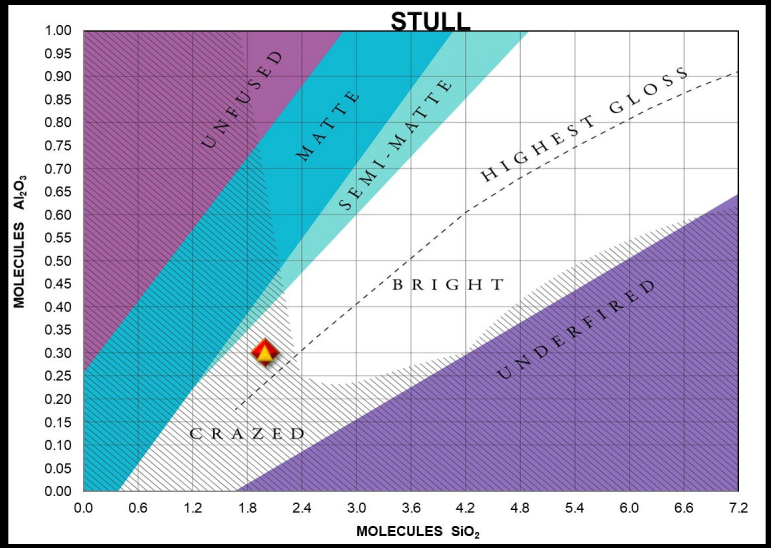


2-3 Second Dips

Reduction

UMF

SiO_2:Al_2O_3 Ratio 6.61 :1		Alkali Metals 0.26		Alkaline Earths 0.74	
SiO_2 2.11	Collective "Al_2O_3" 0.32	Na_2O 0.20	K_2O 0.06	MgO 0.03	CaO 0.70
B_2O_3	Al_2O_3 0.32	Li_2O	CuO	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.01
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



EUMF

SiO_2:Al_2O_3 Ratio 6.61 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO_2 2.00	Collective "Al_2O_3" 0.30	Na_2O 0.19	K_2O 0.05	MgO 0.02	CaO 0.66
B_2O_3	Al_2O_3 0.30	Li_2O	CuO 0.05	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.01
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO

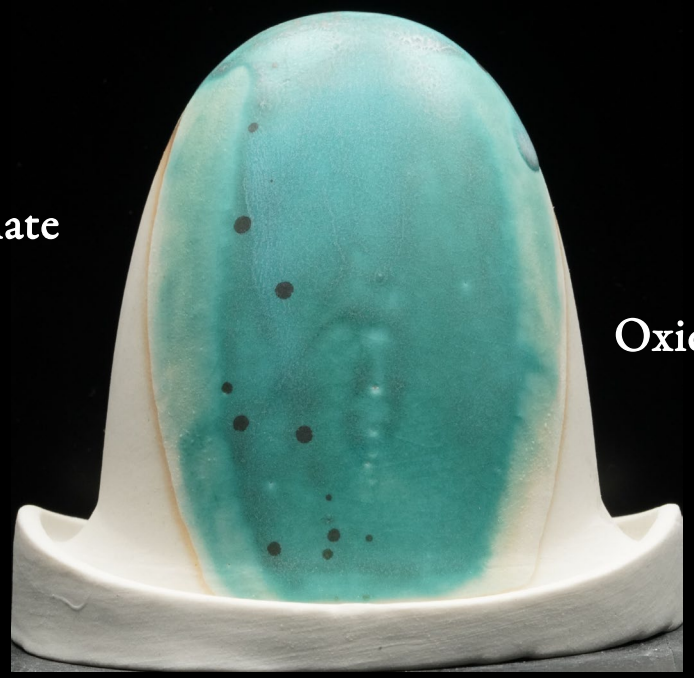
Ceramic Materials Workshop

ceramicmaterialsworkshop.com

Peacock

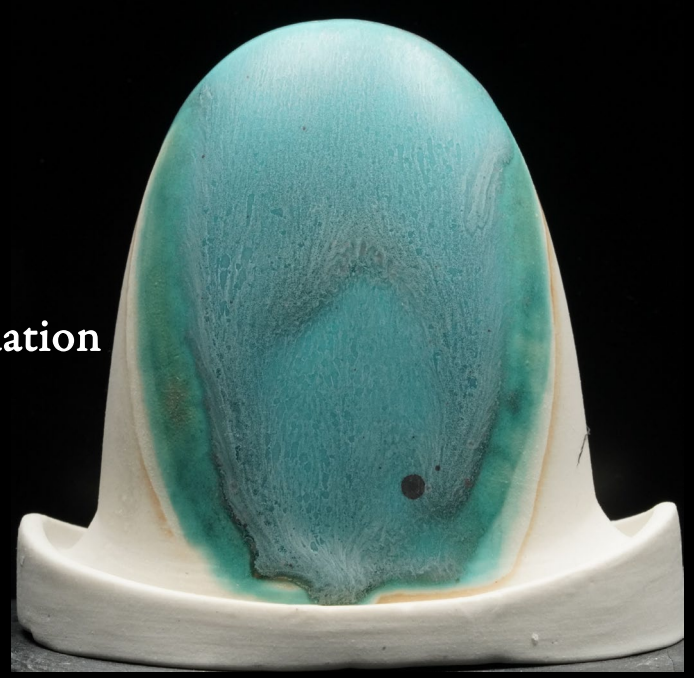
Chemical Match
Strontium Carbonate
062922-47

Neph Sy	42.59
Strontium Carb	39.48
EPK	6.88
Flint	11.06
Copper Carbonate	3.10
Water	70



1-3 Second Dip

Oxidation

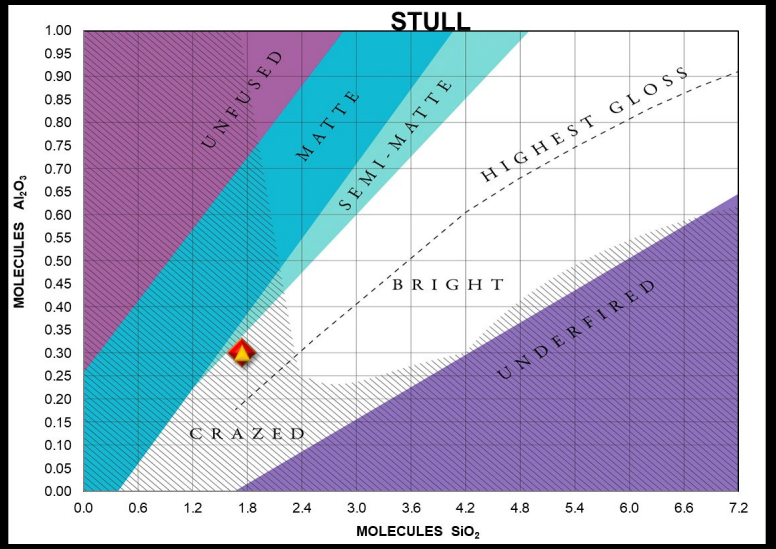


2-3 Second Dips

Reduction

UMF

SiO_2:Al_2O_3 Ratio 5.78 :1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO_2 1.86	Collective "Al_2O_3" 0.32	Na_2O 0.19	K_2O 0.06	MgO 0.00	CaO 0.01
B_2O_3	Al_2O_3 0.32	Li_2O	CuO	SrO 0.74	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



EUMF

SiO_2:Al_2O_3 Ratio 5.78 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO_2 1.74	Collective "Al_2O_3" 0.30	Na_2O 0.18	K_2O 0.05	MgO 0.00	CaO 0.01
B_2O_3	Al_2O_3 0.30	Li_2O	CuO 0.06	SrO 0.69	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO

Ceramic Materials Workshop

ceramicmaterialsworkshop.com

Peacock

Chemical Match Whiting 062922-48

Neph Sy	50.21
Whiting	30.63
EPK	6.97
Flint	12.20
Copper Carbonate	3.10
Water	70

Oxidation

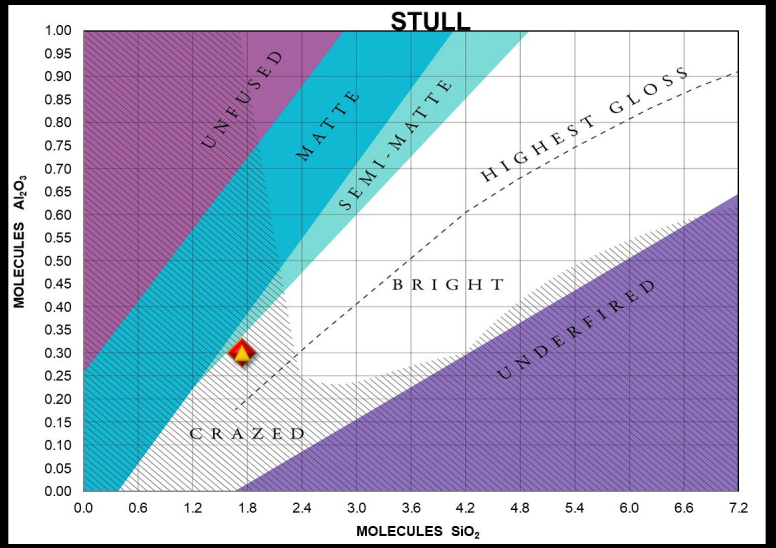
1-3 Second Dip

2-3 Second Dips

Reduction

UMF

SiO_2:Al_2O_3 Ratio 5.78 :1		Alkali Metals 0.26		Alkaline Earths 0.74	
SiO_2 1.85	Collective "Al_2O_3" 0.32	Na_2O 0.20	K_2O 0.06	MgO 0.00	CaO 0.74
B_2O_3	Al_2O_3 0.32	Li_2O	CuO	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



EUMF

SiO_2:Al_2O_3 Ratio 5.78 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO_2 1.75	Collective "Al_2O_3" 0.30	Na_2O 0.19	K_2O 0.05	MgO 0.00	CaO 0.70
B_2O_3	Al_2O_3 0.30	Li_2O	CuO 0.06	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO

Ceramic Materials Workshop

ceramicmaterialsworkshop.com

Peacock

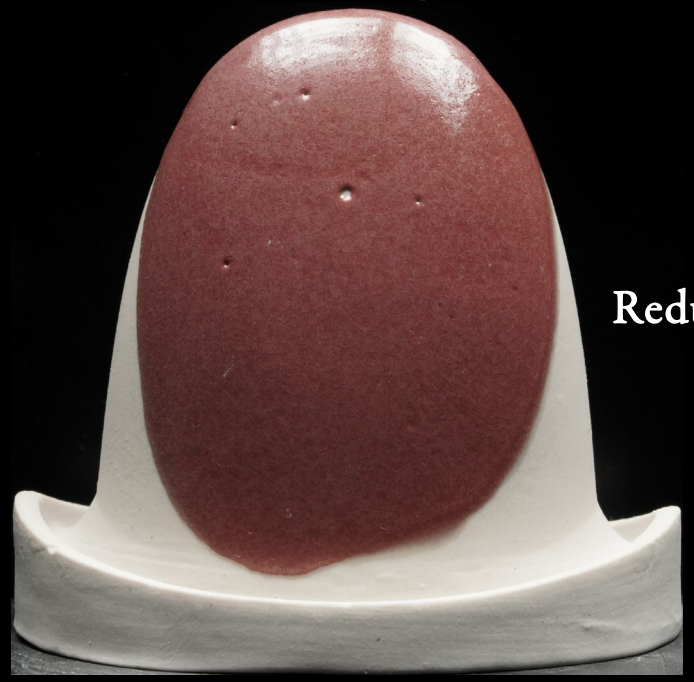
Chemical Match
Zinc Oxide
062922-49

Neph Sy	53.88
Zinc Oxide	26.40
EPK	6.98
Flint	12.74
Copper Carbonate	3.10
Water	70

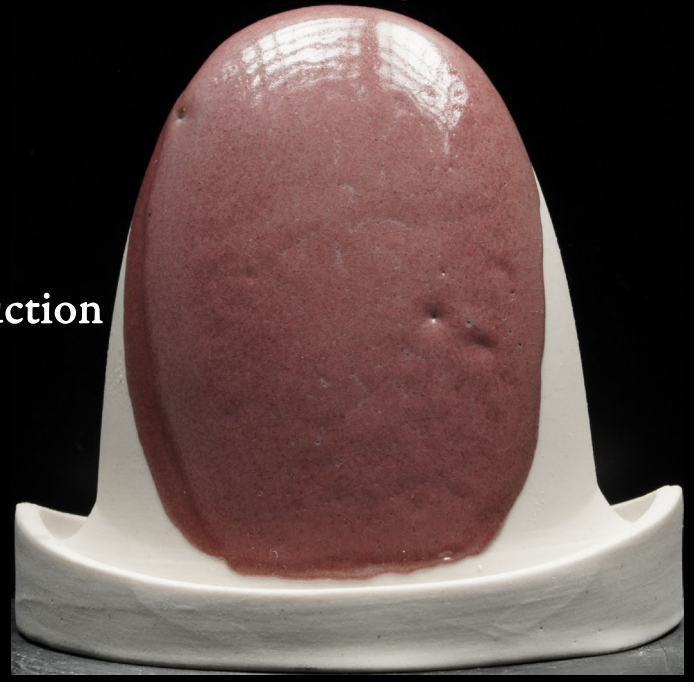
1-3 Second Dip

Oxidation

2-3 Second Dips

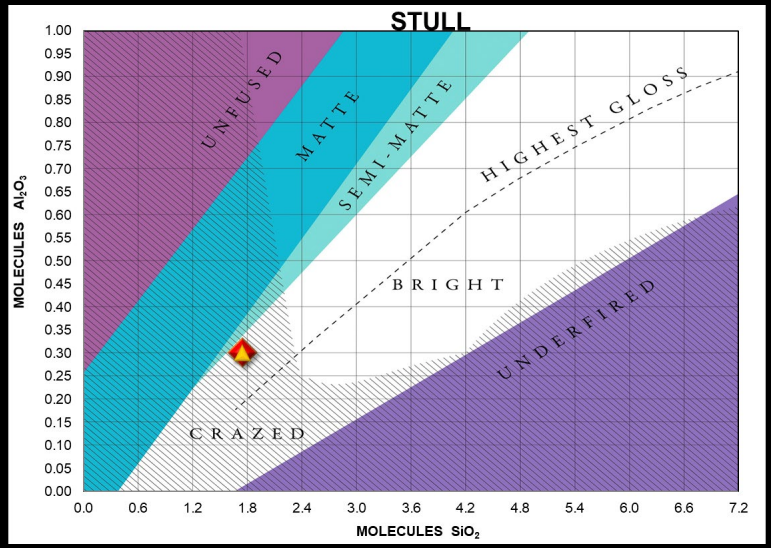


Reduction



UMF

SiO_2:Al_2O_3 Ratio 5.79 :1		Alkali Metals 0.26		Alkaline Earths 0.74	
SiO_2 1.85	Collective "Al_2O_3" 0.32	Na_2O 0.20	K_2O 0.06	MgO 0.00	CaO 0.01
B_2O_3	Al_2O_3 0.32	Li_2O	CuO	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO 0.73	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO



EUMF

SiO_2:Al_2O_3 Ratio 5.79 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO_2 1.75	Collective "Al_2O_3" 0.30	Na_2O 0.19	K_2O 0.05	MgO 0.00	CaO 0.01
B_2O_3	Al_2O_3 0.30	Li_2O	CuO 0.05	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO 0.69	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5		MnO_2	CoO

Ceramic Materials Workshop

ceramicmaterialsworkshop.com

Peacock

Chemical Match Bone Ash 062922-50

Neph Sy	43.54
Bone Ash	38.35
EPK	7.01
Flint	11.10
Copper Carbonate	3.10
Water	70

Oxidation

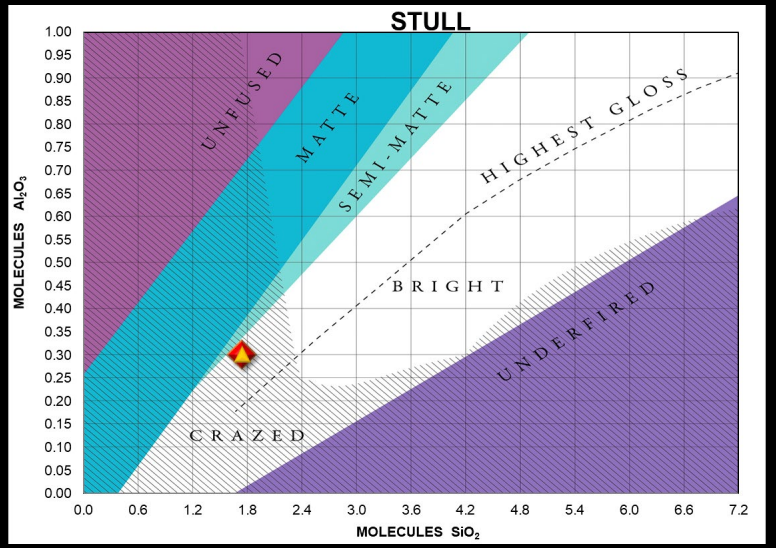
1-3 Second Dip

2-3 Second Dips

Reduction

UMF

SiO_2:Al_2O_3 Ratio 5.78 :1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO_2 1.86	Collective "Al_2O_3" 0.32	Na_2O 0.20	K_2O 0.06	MgO 0.00	CaO 0.74
B_2O_3	Al_2O_3 0.32	Li_2O	CuO	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.01
Cr_2O_3	ZrO_2	P_2O_5 0.41		MnO_2	CoO



EUMF

SiO_2:Al_2O_3 Ratio 5.78 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO_2 1.74	Collective "Al_2O_3" 0.30	Na_2O 0.18	K_2O 0.05	MgO 0.00	CaO 0.69
B_2O_3	Al_2O_3 0.30	Li_2O	CuO 0.06	SrO	BaO
TiO_2 0.00	NiO	Bi_2O_3	SnO_2	ZnO	FeO 0.00
Cr_2O_3	ZrO_2	P_2O_5 0.38		MnO_2	CoO

Ceramic Materials Workshop

ceramicmaterialsworkshop.com