

FRIT FORMULAE

2261 Lead Bisilicate

PbO 0.086 Al₂O₃ 1.850 SiO₂

% ANALYSIS

PbO = 65.04
Al₂O₃ = 2.55
SiO₂ = 32.40

2262 Lead Sesquisilicate

PbO 0.125 TiO₂ 1.540 SiO₂

PbO = 68.52
TiO₂ = 3.07
SiO₂ = 28.41

2263 Standard Borax Frit

0.033 K₂O
0.330 Na₂O 0.173 Al₂O₃ 1.880 SiO₂
0.634 CaO 0.630 B₂O₃
0.003 MgO

K₂O = 1.33
Na₂O = 8.75
CaO = 15.22
MgO = 0.05
Al₂O₃ = 7.54
SiO₂ = 48.34
B₂O₃ = 18.76

2264 Soft Borax Frit

Formula not disclosed

2265 H.T. Borax Frit

0.033 K₂O
0.325 Na₂O 0.208 Al₂O₃ 1.933 SiO₂
0.639 CaO 0.622 B₂O₃
0.002 MgO

K₂O = 1.28
Na₂O = 8.44
CaO = 14.68
MgO = 0.05
Al₂O₃ = 8.91
SiO₂ = 48.55
B₂O₃ = 18.09

2266 Ferro Crystal Frit

0.064 K₂O
0.644 Na₂O 0.095 Al₂O₃ 3.028 SiO₂
0.293 CaO 0.097 B₂O₃

K₂O = 2.31
Na₂O = 15.31
CaO = 6.29
Al₂O₃ = 3.71
SiO₂ = 69.77
B₂O₃ = 2.59

2268 Calcium Borate Frit

1.000 CaO 0.097 Al₂O₃ 0.609 SiO₂
 1.500 B₂O₃

CaO = 27.10
Al₂O₃ = 4.77
SiO₂ = 17.68
B₂O₃ = 50.44

2269 Ferro Frit 3195

0.315 Na₂O 0.399 Al₂O₃
 0.685 CaO

2.748 SiO₂
 1.113 B₂O₃

Na₂O = 5.72
 CaO = 11.26
 Al₂O₃ = 11.92
 SiO₂ = 48.40
 B₂O₃ = 22.70

2270 White Zircon Borax Frit

0.414 Na₂O
 0.061 ZnO 0.236 Al₂O₃
 0.413 CaO
 0.112 MgO

3.850 SiO₂
 0.827 B₂O₃
 0.426 ZrO₂

Na₂O = 6.06
 ZnO = 1.17
 CaO = 5.47
 MgO = 1.06
 Al₂O₃ = 5.67
 SiO₂ = 54.60
 B₂O₃ = 13.58
 ZrO₂ = 12.38

2272 Ferro Frit 3124

0.020 K₂O
 0.289 Na₂O 0.271 Al₂O₃
 0.691 CaO

2.544 SiO₂
 0.551 B₂O₃

K₂O = 0.68
 Na₂O = 6.46
 CaO = 13.97
 Al₂O₃ = 9.96
 SiO₂ = 55.11
 B₂O₃ = 13.82

2273 Ferro Frit 3134

0.314 Na₂O
 0.016 MgO
 0.670 CaO

1.491 SiO₂
 0.638 B₂O₃

Na₂O = 10.16
 MgO = 0.34
 CaO = 19.61
 SiO₂ = 46.74
 B₂O₃ = 23.16

2275 High Alkali Frit

0.330 K₂O
 0.500 Na₂O 0.100 Al₂O₃
 0.170 CaO

1.500 SiO₂
 0.100 B₂O₃

K₂O = 17.35
 Na₂O = 17.46
 CaO = 5.32
 Al₂O₃ = 5.69
 SiO₂ = 50.30
 B₂O₃ = 3.88

2279 Low Expansion Frit

0.176 Li₂O
 0.324 CaO 0.400 Al₂O₃
 0.173 ZnO
 0.252 MgO

5.290 SiO₂
 1.280 B₂O₃

Li₂O = 0.10
 CaO = 3.60
 ZnO = 3.30
 MgO = 2.40
 Al₂O₃ = 8.20
 SiO₂ = 63.60
 B₂O₃ = 17.80

The information given in this pamphlet is for guidance only, and whilst we believe it to be correct it should not be taken as a guarantee for any individual batch of material. Some slight variation may occur due to natural variations in raw materials.

