<<<<<<<<< Composition of Frits >>>>>>>>>

Frit 3110 (Ferro) HIGH ALKALI LEADLESS BODY FLUX

Body flux alkaline frit. Soft sodium borosilicate frit for glazes. High expansion. Often used in crystal glazes. This frit has a very low melting point.

Cone Range: 08-8. New name is: KFG 4110
Sub: Pemco P-1V05, Glostex GF-134, Fusion F-75

Molecular Analysis (M.W. 259.1)					
K_2O	0.064	Al_2O_3	0.095	SiO_2	3.003
Na_2O	0.644	B_2O_3	0.097		
CaO	0.293				

Percentage Analysis	
K_2O	2.31 %
Na_2O	15.40 %
CaO	6.34 %
B_2O_3	2.59 %
Al_2O_3	3.73 %
SiO_2	69.63 %

Frit 3134 (Ferro) LEADLESS HIGH LIME BOROSILICATE GLAZE

Intended for use as a lime and borate source in partially fritted glazes, lead bisilicate glazes and low cost hobby glazes cone 06-10. This frit has no alumina and this must be compensated for in the formulation of underglaze colors. The very high calcium makes this frit ideal for developing chrome-tin pinks and maroons.

Sub: Pemco P-54, O. Hommel 14 (242)

Molecular Analysis (M.W. 190.8)					
Na_2O	0.317	B_2O_3	0.634	SiO_2	1.476
CaO	0.683				

Percentage Analysis	
Na_2O	10.30 %
CaO	20.10 %
B_2O_3	23.10 %
SiO_2	46.50 %

Frit 4712 (Ferro) BOROSILICATE LEADLESS

Hard clear frit, general purpose, for strong colors. 1040-1100C.

Sub: Pemco P-54, O. Hommel 14 (242)

Molecular Analysis (M.W. 350.0)					
K_2O	0.200	Al_2O_3	0.350	SiO_2	3.500
Na_2O	0.200	B_2O_3	0.650		
CaO	0.600				

Percentage Analysis	
K_2O	5.29 %
Na_2O	3.48 %
CaO	9.45 %
Al_2O_3	10.01 %
B_2O_3	12.70 %
SiO_2	59.06 %