



Typical Data Sheet

	Ball Clays										Kaolin Clays	
	SanKast	FC-120	Volunteer	M-44	No. 1	No. 1 Glaze	No. 5	SS-10	RJM-1	APG-300	Wilco UPF	Wilco LPC
Chemical Analysis (%)												
Silicon Dioxide	58.90	59.20	59.11	57.68	57.07	56.32	56.95	58.40	57.36	56.40	45.10	45.16
Aluminum Oxide	27.10	25.90	27.55	27.50	29.05	29.37	29.01	25.90	27.80	29.20	38.60	38.21
Iron Oxide	1.18	1.05	0.99	1.62	0.99	0.87	0.88	1.29	2.17	0.81	0.43	0.36
Titanium Dioxide	1.93	1.78	2.09	1.50	2.43	2.44	2.26	2.30	1.46	2.26	1.49	1.77
Calcium Oxide	0.08	0.07	0.10	0.19	0.12	0.10	0.11	0.16	0.40	0.09	0.06	0.04
Magnesium Oxide	0.17	0.29	0.26	0.59	0.25	0.28	0.26	0.48	0.51	0.19	0.14	0.02
Sodium Oxide	0.00	0.06	0.08	0.10	0.08	0.08	0.08	0.07	0.10	0.12	0.03	0.02
Potassium Oxide	1.10	1.00	0.43	1.24	0.52	0.56	0.07	0.55	0.70	0.54	0.19	0.11
Loss on Ignition	9.40	9.70	9.43	9.59	9.39	9.91	9.79	10.30	9.50	9.80	13.50	13.51
Particle Size (% less than)												
5 micron	85	79	84	83	84	87	86	83	89	90	81	70
2 micron	68	59	71	66	71	71	71	71	84	77	55	45
1 micron	56	50	62	58	61	63	60	59	75	68	41	31
Carbon (%)	0.83	0.77	0.25	0.98	0.06	0.08	0.05	0.77	0.04	0.05	n/a	n/a
SSA (SPSA)	22.90	18.80	20.90	25.60	18.80	18.90	18.90	20.60	39.00	19.30	16.00	10.80

NOTICE: All data given and statements and recommendations made herein are based upon our research and are believed to be accurate typical data. However, no guarantee of their accuracy is made or implied. Our products are sold on the condition that the user will evaluate them himself, as well as our formulas and recommendations, to determine their suitability for his own purposes before adoption on a commercial scale. Also, statements as to the use of our products are not to be construed for their use in the infringement of any patent.

WARNING: BALL CLAYS CONTAIN FREE SILICA. DO NOT BREATHE THE DUST. PROLONGED INHALATION MAY CAUSE DELAYED LUNG INJURY (SILICOSIS). FOLLOW OSHA SAFETY & HEALTH STANDARDS FOR CRYSTALLINE SILICA (QUARTZ). FOR FURTHER INFORMATION CONSULT THE OLD HICKORY MSDS FOR THIS CLAY.