



## Typical Data Sheet

	Ball Clays											Kaolin Clays	
	SanKast	FC-120	Volunteer	SB	M-44	No. 1	No. 1 Glaze	No. 5	SS-10	RJM	APG-300	Wilco UPF	Wilco LPC
<b>Chemical Analysis (%)</b>													
Silicon Dioxide	58.90	59.20	59.11	59.00	57.68	57.57	56.32	56.95	58.40	57.36	56.40	45.10	45.16
Aluminum Oxide	27.10	25.90	27.55	26.50	27.50	28.03	29.37	29.01	25.90	27.80	29.20	38.60	38.21
Iron Oxide	1.18	1.05	0.99	1.70	1.62	1.04	0.87	0.88	1.29	2.17	0.81	0.43	0.36
Titanium Dioxide	1.93	1.78	2.09	1.10	1.50	2.50	2.44	2.26	2.30	1.46	2.26	1.49	1.77
Calcium Oxide	0.08	0.07	0.10	0.10	0.19	0.13	0.10	0.11	0.16	0.40	0.09	0.06	0.04
Magnesium Oxide	0.17	0.29	0.26	0.30	0.59	0.32	0.28	0.26	0.48	0.51	0.19	0.14	0.02
Sodium Oxide	0.12	0.06	0.08	0.10	0.10	0.08	0.08	0.80	0.55	0.10	0.54	0.19	0.11
Potassium Oxide	1.10	1.00	0.43	1.20	1.24	0.45	0.56	0.69	0.07	0.70	0.12	0.03	0.02
Loss on Ignition	9.40	9.70	9.43	10.20	9.59	9.82	9.91	9.79	10.30	9.50	9.80	13.50	13.51
<b>Particle Size (% less than)</b>													
5 micron	85	79	84	85	83	82	87	86	83	89	90	66	53
2 micron	68	60	73	67	63	75	78	74	73	77	77	55	50
1 micron	56	50	62	53	58	60	63	60	59	75	68	41	37
.5 micron	40	37	52	40	44	48	52	48	47	64	57	29	22
Carbon (%)	0.83	0.77	0.25	0.70	0.98	0.77	0.08	0.05	0.77	0.19	0.05	0.02	0.03
SSA (MPSA)	23.40	18.80	20.90	21.00	25.60	17.70	18.90	18.90	22.12	39.20	19.80	16.00	9.50
Dry MOR (PSI)	550	595	565	600	770	450	600	475	525	1500		n/a	n/a

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.