



GLEASON CLAY COMPANY

Typical Data Sheet

	Ball Clays											
	LX	RX	SB	ML	PL	WV	CT	CO	Apex 11	Apex 13	Apex 20	
Chemical Analysis (%)												
Silicon Dioxide	61.8	58.6	59.0	59.8	62.0	59.6	58.7	59.3	59.7	58.2	58.9	
Aluminum Oxide	24.6	27.6	26.5	27.2	25.9	27.0	27.7	26.8	27.3	27.9	28.0	
Iron Oxide	1.0	0.8	1.1	1.0	1.0	1.2	0.9	1.0	1.1	0.9	1.0	
Titanium Oxide	1.6	1.9	1.7	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.8	
Calcium Oxide	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Magnesium Oxide	0.3	0.3	0.3	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.1	
Sodium Oxide	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Potassium Oxide	1.6	1.6	1.2	0.8	0.4	0.6	1.0	1.5	0.6	1.6	0.5	
Loss on Ignition	8.9	9.0	10.0	8.8	8.5	9.3	9.5	9.2	9.0	9.1	9.5	
Particle Size (% less than)												
5 micron	71	85	85	77	85	88	84	84	85	86	82	
2 micron	52	65	67	60	72	78	69	65	72	67	70	
1 micron	41	47	53	48	62	68	58	51	64	49	61	
0.5 micron	29	30	40	35	51	56	46	36	53	32	49	
Carbon (%)	1.00	0.10	0.70	0.10	0.20	0.50	0.20	0.25	0.10	0.10	0.20	
SSA, m ² /g, multi-point	15.7	16.0	19.5	19.0	22.0	25.0	20.0	19.0	25.0	17.0	23.0	
Dry MOR (psi)	450	330	570	340	500	820	400	450	650	360	600	

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 GLEASON CLAY MSDS FOR THIS CLAY.