



REFRACTORY "A" GRADE SUPER CALCINED BAUXITE

“Quality Products.
Superior Service.
Dependability
You Can Rely On.”

CHEMISTRY

	TYPICAL	SPECIFICATIONS
Al ₂ O ₃	89.90 %	87.00 % Min
Fe ₂ O ₃	1.52 %	1.75 % Max
SiO ₂	5.21 %	7.50 % Max
TiO ₂	3.10 %	3.50 % Max
Na ₂ O + K ₂ O	0.03 %	
CaO + MgO	0.04 %	
P ₂ O ₅	0.05 %	
LOI	0.15 %	

PHYSICAL

Bulk Density (-6+12 USS) (ASTM C357 Method)	3.20 gm/cc	3.10 gm/cc Min
Moisture	0.12 %	0.50 % Max

SIZE USS Sieve mm	% RETAINED														
	1/2" 12.50	3/8" 9.50	3 6.70	3.5 5.60	4 4.75	6 3.35	8 2.36	12 1.70	16 1.18	20 0.850	40 0.425	100 0.150	200 0.075	325 0.045	Pan
3 X 0		0	2 0-4			35 24-46		25 15-35		20 10-30					18 8-28
4 X 0			0		2 0-5		35 27-43			40 32-48					23 15-31
6 X 0					0	2 0-5	15 8-22			45 37-53	15 8-22				23 15-31
8 X 0						0	3 0-6			47 37-57	15 8-22				35 27-43
3 X 4		0	4 0-8		70 60-80	22 16-28									4 0-8
3 X 6		0	3 0-6			75 63-87	20 12-28								2 0-4
3 X 8		0	2 0-4		25 15-35		60 50-70			10 5-15					3 0-6
4 X 8			0		4 0-8		82 72-92			10 5-15					4 0-8
6 X 16					0	2 0-4		61 49-73	30 19-41						7 0-14
8 X 20						0	2.50 0-5			80 70-90					17.5 10-25
16 X 0							0		4 0-8	13 5-21	31 18-44	36 24-48			16 4-28
20 X 0								0		3 0-6	44 32-56	40 28-52			13 5-21
100 X 0 - c											Tr.		40 32-48		60 52-68
200 X 0 - c											Tr.		25 15-35		75 65-85
325 X 0 - c											Tr.			25 15-35	75 65-85

