



HUANGHE MINERALS CO.,LIMITED
PRODUCTS SPECIFICATION
PRODUCT CALCINED BAUXITE

VERSION: 2006
CODE: T/P/QA
ORIGIN: CHINA /SX/SD/IM

Code	Rotary Kiln Bauxite	Round Kiln Bauxite	Shaft Kiln Bauxite	Mul-kaolin Chamotte	Kaolin Chamotte	Recycle bricks scraps
Chemical property						
Al ₂ O ₃	86-88 90	86-89 90	80-86	77	43-45	40 50 70
SiO ₂	6-8 4	5-8 4	8-14	16	53-55	
Fe ₂ O ₃	2 1.5	2 1.5	2	1-2	0.5-1.5	2.5
R ₂ O	0.25 0.2	0.25 0.2	0.25	0.25	0.3	0.5
CaO	0.5 0.4	0.5 0.4	0.5	0.5	0.5	1
MgO						
TiO ₂	4 4	4 4	4	3.5	1	4
Physical property						
Refractoriness						
AP	3-6 3	3-7 3	4-8	3-5	4-7	8-17
Particle BD	3.15-3.25 3.4	3.15-3.3 3.4	2.8-3.10	2.8g/cc	2.45g/cc	2-3 g/cc
Liner Expan						
Appearance	Grey	Grey with yellow	Yellow grey	Grey	White	Yellow
Mineralogy						
Glass phase	Minor	Minor	Minor	10	15-20	
Mullite phase	Minor	Minor	Minor	85	60-65	
Corundum	80-85 90	80-85 90	75-80	5	0-5	
Cristobalite				Tr	15-20	
Size						
	1.grains like 0-1/1-3/3-6mm, 6x14mesh, 14x30mesh,-40mesh apply ISO, JIS, DIN, ASTM standard 2.Raymond milled powder -200mesh, -300mesh					
Pack						
	In 1mt bags / 25kg bags in big bag / 25kg bags on pallets shrink-wrapped					
Application						
	Chinese based bauxite, mullite, chamotte have been world accepted standard aggregate to make various grade of High alumina bricks, fireclay bricks, high alumina castables for steel industry, non-ferrous industry, power plant, cement kiln. It was also used for anti-skid, cement manufacturing, ceramic fiber and slag conditioning application.....					
Description						
	Chinese bauxite is diasporic bauxite, it has higher Al ₂ O ₃ and lower impurities, selected bauxite was calcined in shaft, round, rotary kiln in higher temperature of 1600-1700C, the Al ₂ O ₃ transfer to alpha Al ₂ O ₃ and form corundum phase, further crushed, grinded and sieved to obtain an ideal aggregate for refractory application			Chinese high purity Kaolin co-exist with coal mine, which has very low impurities, after it was calcined in rotary kiln, shaft kiln, round kiln, the kaolinite will lose crystal water and form mullite crystal, glass phase and cristobalite, after it was crushed, grinded and sieved to obtain an ideal middle-alumina range aggregate, used for shaped and monolith refractory application.		
Price						