

HUANGHE MINERALS CO.,LIMITED		Version: 2020
PRODUCTS SPECIFICATION		Code: T/P/QA
Product	Calcined Bauxite/ calcined Kaolin chamotte	Origin: China /SX/SD/IM/GZ

Code	Calcined bauxite 89	calcined Bauxite 86	Calcined Bauxite 80	Calcined Bauxite 70	Chamotte HAL Flint Clay 50	Chamotte HP Flint Clay 45
Chemical property						
Al ₂ O ₃	88-90 90	85-87 86	75-83	65-75	45-55	44-47
SiO ₂	3-6 4	7-9 8	11-19	19-29	38-50	51-54
Fe ₂ O ₃	2 1.5	2 1.7	2	1-3	0.5-2.5	0.5-1.0
K ₂ O+Na ₂ O	0.6 0.2	0.3 0.2	0.25	0.25	0.3	0.5
Cao + MgO	0.6 0.4	0.6 0.4	0.5	0.5	0.5	0.5
TiO ₂	4 3.7	4 4	4	3.5	3	1.5
Physical property						
Refractoriness						
AP %	3-7	3-7	4-8	4-8	4-8	3-5
Particle BD	3.2-3.45	3.15-3.3	2.8-3.0	2.6-2.8g/cc	2.45-2.55g/cc	2.6g/cc
Appearance	Dark grey	Grey + Yellow			Brown yellow	Off white
Mineralogy (reference only)						
Glass phase	Minor	Minor	0-10	5-15	10-20	20-35
Mullite phase	Minor	Minor	20-30	50-70	40-60	40-60
Corundum	80-87	80-85	50-70	15-35	10-30	tr
Cristobalite				5-15	5-15	5-15
Description and process						
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, no-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 diasporite 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.		

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