

?? >80 <0.6 <3.0 >1790 >2.8

??? 70~80 <0.8 <3.0 >1790 >2.65

??? 60~70 <0.8 <3.0 >1770 >2.55

?? 50~60 <0.8 <2.5 >1770 >2.45

the main component of bauxite is alumina, is impurities of hydrated alumina, a kind of earthy minerals. the color is white or off-white, usually it is yellow or light red due to iron. its density is 3.9 ~ 4g/cm³, hardness 1 ~ 3, opaque, brittle and extremely difficult to melt. it does not dissolve in water, but can dissolve in sulfuric acid, sodium hydroxide solution, mainly used in aluminum smelting and refractory materials making.

uses:

(1) the aluminum industry. used in defense, aerospace, automotive, electrical, chemical and daily supplies.

(2) bauxite clinker can be processed into fine powder and made into mold. used in military, aerospace, communications, instrumentation, machinery and medical equipment sectors.

(3) used for fire-resistant products. the refractoriness of high-alumina clinker is up to 1780?, it has strong chemical stability and good physical properties.

(4) aluminosilicate refractory fibers. with a light weight, high temperature, thermal stability, low thermal conductivity, heat capacity of small and resistance to mechanical vibration and so on. used for iron and steel, nonferrous metallurgy, electronics petroleum, chemical space, atomic energy, defense and other industries.

(5) using magnesia clinker and bauxite as raw material, by adding the appropriate amount binder, you can get a better effect of barrel lining.

(6) used to produce alumina cement, abrasive materials, ceramic industry, as well as a variety of aluminum compounds.

technical conditions:

rank chemical composition /% refractoriness density

al₂O₃ cao fe₂O₃

premium >85 <0.6 <2.0 >1790 >3.0

level 1 >80 <0.6 <3.0 >1790 >2.8

level 2a 70~80 <0.8 <3.0 >1790 >2.65

level 2b 60~70 <0.8 <3.0 >1770 >2.55

level3 50~60 <0.8 <2.5 >1770 >2.45

"丰泰-Bauxite 优质铝矾土骨料 耐火材料铝矾土"的耐火温度为2000 ()，耐压强度是999 (Mpa)，规格为4-320 (mm)，导热系数是2000 ()