



中铝青岛国际贸易有限公司
Chalco Qingdao International Trading Co., Ltd.
25th Floor, Bldg A, Jinling Plaza, 28 Miaoling Road, Laoshan District,
Qingdao, Shandong 266061, P. R. China

板状刚玉系列产品介绍

Tabular Alumina Series

The line has an annual capacity of 100,000 tons of Tabular Alumina. The process design, process control technology and equipments are all independently designed and developed. Many technologies belong to the world's first class, breaking the barriers that high-end refractory raw materials and products have been controlled by foreign countries for a long time, and fully realizing localization.

The production line, starting from production of Aluminum Hydroxide and the formation of high purity Aluminum Hydroxide, and then through high temperature flash roasting technology, produces the light-fired alumina with high alpha phase content to meet the sintering needs of high-end Tabular Alumina. Finally, through grinding, forming, sintering, crushing and screening, the whole process of automatic centralized control provides guarantee for product quality. High quality control has been achieved in the whole industrial chain from ore to finished products.



中铝青岛国际贸易有限公司
Chalco Qingdao International Trading Co., Ltd.
25th Floor, Bldg A, Jinling Plaza, 28 Miaoling Road, Laoshan District,
Qingdao, Shandong 266061, P. R. China

Chalco Shandong Co., Ltd., which belongs to Aluminum Corporation of China, is the cradle of Chinese Aluminum Industry. The High-quality Aluminum hydroxide of our own provides high-quality raw materials for production of Tabular Alumina. The raw material has the characteristics of high whiteness, low sodium, low content of heavy metals and other impurities. The high quality Aluminum Hydroxide's annual production capacity is 600,000 tons, which ensures the stable and consistent supply of high quality raw materials for the production of Tabular Alumina.

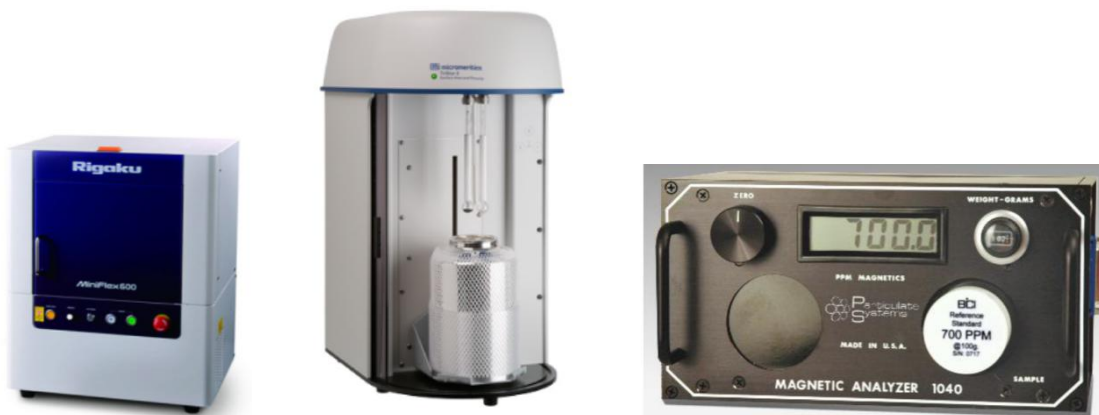
The plate corundum production line of China Aluminum Shandong Co., Ltd. Functional Material Factory is the only advanced production technology of alumina raw material preparation and sintered corundum production in the world, using high quality alumina hydroxide as raw material. The production line has the characteristics of quality control in the whole process from raw materials to products. Alumina raw materials for sintering corundum are prepared by high temperature flash calcination technology, and the content of alpha phase and specific surface area are controllable, which



中铝青岛国际贸易有限公司
Chalco Qingdao International Trading Co., Ltd.
25th Floor, Bldg A, Jinling Plaza, 28 Miaoling Road, Laoshan District,
Qingdao, Shandong 266061, P. R. China

is the world's first initiative, which lays a solid foundation for high quality plate corundum products. In addition, the sintering corundum production line adopts remote centralized control, which reduces the influence of human factors, and provides a strong guarantee for the stability of product indicators.

In order to improve the quality and stability of application performance of plate corundum products, a perfect and advanced analysis system and quality control system are specially equipped to achieve full process index analysis and product quality control.





Product specifications

1 Product characteristics

High purity, high whiteness, low apparent porosity, low water absorption.

2 Product specifications

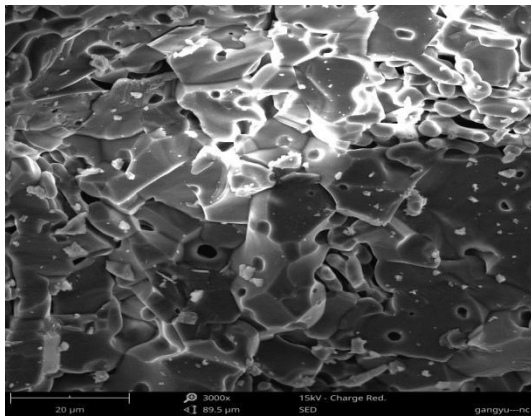
体积密度 Bulk density	显气孔率 Apparent porosity	吸水率 Water absorption rate	SiO ₂	Fe ₂ O ₃	Na ₂ O	Al ₂ O ₃
≥3.50	≤3	≤1	≤0.18	≤0.1	≤0.4	≥99.2

3 Product specification

0-0.3mm, 0-1mm, 1-3mm, 3-6mm, 5-10mm, 200 mesh, 325 mesh and other particle size.



中铝青岛国际贸易有限公司
Chalco Qingdao International Trading Co., Ltd.
25th Floor, Bldg A, Jinling Plaza, 28 Miaoling Road, Laoshan District,
Qingdao, Shandong 266061, P. R. China



Characteristic and Application

It can be used as the principal component in aluminium-carbon, aluminium-magnesium-carbon, magnesia-aluminium-carbon, magnesia-spinel and aluminium-chromium refractory bricks, as well as in high aluminium amorphous refractories, and can be widely used in iron and steel, casting, ceramics and other industries. Its application in iron and steel industry almost covers the whole process of iron-making and steel-making.

The product has low apparent porosity, low water absorption and high closed porosity. High closed porosity can greatly



中铝青岛国际贸易有限公司
Chalco Qingdao International Trading Co., Ltd.
25th Floor, Bldg A, Jinling Plaza, 28 Miaoling Road, Laoshan District,
Qingdao, Shandong 266061, P. R. China

improve the thermal stability, slag resistance and scour resistance of refractories, which is conducive to improving the service life of refractories. It improves the quality of products and reduces the cost of manufacturing for the next customers.

application and characteristics

High refractoriness;

High corrosion resistance;

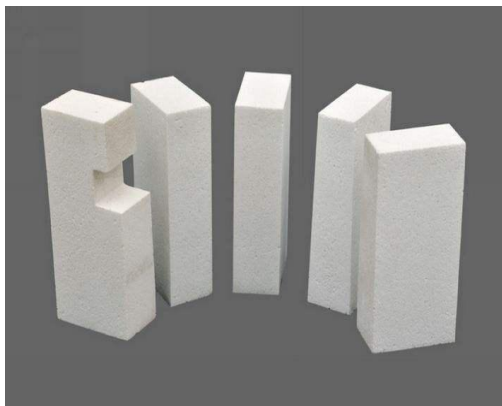
High slag resistance;

High erosion resistance;

High thermal shock resistance;

High strength and good toughness;

Chemical stability





中铝青岛国际贸易有限公司
Chalco Qingdao International Trading Co., Ltd.
25th Floor, Bldg A, Jinling Plaza, 28 Miaoling Road, Laoshan District,
Qingdao, Shandong 266061, P. R. China

