ZIBO GOTRAYS INDUSTRY CO.LTD.

Corundum Mullite Kiln Furniture

Product introduction

Corundum-mullite products are made with mullite particles as matrix and α-Al2O3 as powder materials, or fused or sintered corundum particles as matrix, and synthetic mullite powder as powder material. We mix matrix and powder materials according to a certain proportion and particle size distribution , and make the product under high-temperature in the oxidation atmosphere. Corundum-mullite products with mullite as matrix feature good thermal shock resistance but slightly poor corrosion resistance; While Corundum-mullite products with corundum sand as matrix feature good corrosion resistance but slightly poor thermal shock resistance.

Corundum-mullite refractory bricks are widely applied as superstructure, feed channel, cover plate, forming parts, middle and high temperature reactor lining and other thermal equipment lining of glass melting furnace.

Corundum-mullite sagger or crucible are used for powder calcination.

Advantages of Zibo Gotrays' Corundum-Mullite Products

Selection of raw materials:

Zibo Gotrays applies high-purity alumina, fused mullite, fused corundum and sintered corundum as main raw material, shaping by molding or high-pressure pressing and sintering under ultra high temperature. Our products are high-purity alumina kiln furniture that boosts excellent thermal shock resistance, good mechanical strength like good creep resistance coefficient as well as chemical inertness. Our corundum-mullite bricks can be applied to the superstructure, the feed channel, the cover plate and the forming parts of the glass furnace.

distinctive features::

1.The products are of high purity with no free silica and no chemical reaction with sintered substances.

2.After high pressure and high temperature processing, corundum and mullite crystals are effectively combined, with stable structure, excellent thermal shock resistance, high flexural strength and long service life.

3. They are not easy to deform, crack or delaminate.

Our corundum-mullite saggers, crucibles and batts, and fittings are applied for industries like fine ceramics, magnetic materials, powder calcination, rare earth production.