

Aluminum Ceramic Products

氧化铝制品

1. 氧化铝陶瓷部件 alumina ceramic components



氧化铝陶瓷是目前最普及的工程陶瓷之一，它具有良好的电绝缘性及高硬度，耐磨性。

根据氧化铝含量，可提供 95 瓷、99 瓷的各种耐磨陶瓷制品、绝缘瓷件、纺织瓷件、多孔陶瓷、高档耐火等结构陶瓷材料，瓷棒、瓷球、瓷管、瓷座和各种异型瓷件制品等。其广泛应用于电子、机械、化工、冶金、纺织、电力等工业用，耐高温、耐腐蚀、耐磨损、耐高压以及加热器陶瓷载体的特殊用途配件，并可按客户需求加工高难度的陶瓷制品。

Alumina is the most mature of the engineering ceramics, offering excellent electrical insulation properties together with high hardness and good wear resistance. The main products are various wearable ceramic, insulating ceramic, spin ceramic, single hole, ceramic tube, and other special type ceramic etc. They are widely used in ceramic gas nozzles for TIG, ceramic ferrules for stud welding, Ceramic carrier of heater in the field, such as shipbuilding, boiler ,electric welding, power, metallurgical, chemical, mining , textile, and machinery industry . Also we can process highly difficult ceramic according to customers specific request.

2、氧化铝研磨介质 Alumina grinding media

氧化铝研磨球与衬砖 Alumina Grinding Ball and lining brick

该产品是球磨机、罐形磨机、振动磨机等细粉碎设备的研磨体。它具有硬度高、体积密度大、耐腐蚀等特点，其粉碎效率和耐磨损优于普通球石或天然鹅卵石，在陶瓷、玻璃、搪瓷、颜料、化工等行业广泛应用。

This product is a grinding body used in ball mill, pot mill, vibrating mill and other fine breaking plants. It has advantages of high hardness, high volumetric density and anticorrosion. With the smashing efficiency and scuff-resistance much better than that of common ball-stone or natural cobblestone, it is widely used in ceramics, glass, porcelain enamel, pigment, chemicals and other trade.

规格：Specification：

牌号	75 series	92 series	95 series
氧化铝含量	75	92	95
体积密度	≥3.2	≥3.50	≥3.60
吸水性%	≤0.02	≤0.01	≤0.01
莫氏硬度	8	9	9
抗压强度 Mpa	≥1800	≥2000	≥2000
颜色	Cream white	White	White
等效耐磨性‰	≤0.20	≤0.15	≤0.15
有效直径	Ø 30 – Ø 60	Ø 20 – Ø 60	
衬砖厚度 mm	50, 60, 70		

Type	75 series	92 series	95 series
Composition of Al ₂ O ₃ %	75	92	95
Bulk Density g/cm ³	≥3.2	≥3.50	≥3.60
Water Absorption %	≤0.02	≤0.01	≤0.01
Hardness Moh's	8	9	9
Compression strength Mpa	≥1800	≥2000	≥2000
Colour	Cream white	White	White
Equivalent wear resistance ‰	≤0.20	≤0.15	≤0.15
Available diameter mm	Ø 30 – Ø 60	Ø 20 – Ø 60	
Thickness of lining brick mm	50, 60, 70		

高性能耐磨氧化铝微珠 High performance abrasion resistance alumina grinding beads



高性能耐磨氧化铝微珠主要用于非金属矿产品的超细研磨，是搅拌磨、砂磨机、震动磨等理想的研磨介质，广泛应用于陶瓷、涂料、油墨、油漆、染料、橡胶及粉体行业。

规格:

$\text{Ø } 2.0 \pm 0.5\text{mm} \sim \text{Ø } 3.5 \pm 0.5\text{mm}$,

$\text{Ø } 4.0 \pm 1.0\text{mm} \sim \text{Ø } 14.0 \pm 1.0\text{mm}$

High performance abrasion resistance alumina grinding beads is main used for non-metal mineral products especially refining, it is the ideal grinding media for stirring grinding, sand grinder and liberating. It is widely applied in ceramics, paint, ink, coatings, dyes, rubber and power industries.

Specification:

$\text{Ø } 2.0 \pm 0.5\text{mm} \sim \text{Ø } 3.5 \pm 0.5\text{mm}$,

$\text{Ø } 4.0 \pm 1.0\text{mm} \sim \text{Ø } 14.0 \pm 1.0\text{mm}$