

# 锆刚玉 Fused Zirconia Alumina

锆刚玉是以氧化铝、氧化锆为原料在电弧炉中经 2000℃ 以上高温冶炼而成。锆刚玉质地坚韧，结构致密，强度高，热稳定性好，一般呈灰褐色。

Fused Zirconia Alumina, was made from alumina and Zirconium oxide by melting above 2000 in the electric arc furnace and cooling. strong but pliable in texture, compact structure, Good Thermal Stability. generally it is gray color.

## 一. 物理化学指标 chemical & physical properties

真密度 true density	4.20g/cm <sup>3</sup>
堆积密度 bulk density	2.18g/cm <sup>3</sup>
莫氏硬度 Moh's hardness	9.0
努普硬度 knoop hardness	1450-2000kg/cm <sup>2</sup>
熔点 melting point	1900℃
最高使用温度 maximum service temperature	1700℃

## 二. 型号和用途 size & Application

产品系列 product	AlO <sub>3</sub>	ZrO <sub>2</sub>	TiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>
ZA25	68%-72%	24%-30%	1.5%max	0.5%max	1.0%max
ZA40	55%-57%	35%-44%	1.5%max	0.5%max	1.0%max

1. Size: 0-1mm, 1-3mm, 3-5mm, 5-8mm, etc. 100f, 200f, 325f, etc.

锆刚玉是一种高级耐火原料，是制作高性能的滑动水口及浸入式水口的理想材料，还可用于制作玻璃熔窑用锆刚玉砖，及高档建筑材料的生产。

As high-class refractory materials, Fused Zirconia Alumina is perfect for making slide gate nozzle and submersed nozzle. It is also for making zircon corundum brick and building materials.

2. size: 8# 10# 12# 14# 16# 20# 22# 24# 30# 36# 40# 46# 54# 60# 70# 80# 90# 100# 120# 150# 180# 220#

锆刚玉耐熔体侵蚀性好，作为一种高级磨料，对钢件、铸铁件、耐热钢、以及各种合金材料有很好的磨削作用，可制造高性能的重负荷锆刚玉砂轮，荒磨，切割片，道轨磨，高速砂带等。

With good melt erosion resistance, it has good grinding effect on steel, iron casting, heat-resistant steel, and other alloy materials. It can be made for Heavy duty zirconium corundum grinding wheel, snagging, cutting disc, grinding rails, high-speed abrasive belt, etc.

3. Size: F230 F240 F280 F320 F360 F400 F500 F600 F800 F1000 F1200 F1500 F200

240# 280# 320# 360# 400# 500# 600# 700# 800# 1000# 1200# 1500# 2000# 2500# 3000# 4000# 6000# 8000#  
锆刚玉微粉主要用于制造研磨膏，抛光蜡，砂布砂纸等。

Micron powder are mainly for making Paste, polishing wax, emery cloth sandpaper, etc.