

Zirconia Blasting Beads

Zirconia blasting beads are white, spherical sandblasting media with a zirconia purity greater than 95%. They are mainly used for sandblasting and grinding to treat the surfaces of parts.

- High grinding efficiency, reduced cycle time.
- High density, good toughness, low wear rate.
- Smooth surface, easy to clean.
- Certified with ISO9001:2008 and ISO14001 standards.

CHEMICAL ANALYSIS

Typical values	ZrO ₂ +HfO ₂	Y ₂ O ₃
%	95±0.5	4.8±0.4

DESIGNATION AND AVAILABLE SIZES

Name	μm	Name	μm	Name	μm
YZ300	250-300	YZ200	200-250	YZ150	150-200
YZ100	80-125	YZ50	45-90		

PHYSICAL PROPERTIES

	Numerical Value
Vickers Hardness	≥1100HV
Grain Shape	Sphere
Particle Color	White
Density	≥6.0g/cm ³
Bulk Density	3.8g/cm ³
Crushing Load	≥20N
Specific Gravity	6.1g/cm ³

PACKAGING

- 25 kg plastic jerrycan, 1-ton bulk bag
- Big-bags available upon request

MAIN APPLICATIONS

- Enhance the fatigue resistance of aviation machinery parts
- Strengthen casting quality and improve wear resistance
- Enhance hardness and corrosion resistance of surgical instruments
- Improve the stability and service life of implants



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