



Ceramic Beads

Ceramic beads are a zirconia based blasting medium, which is produced in a melting process and then shaped into spherical beads and classified in various grain sizes. Ceramic beads are iron-free and extremely tough.

Applications

- Reusable abrasive
- Polishing
- Shot peening
- Blast-cleaning

Blasting systems

- Pressure blast systems
- Injection blast cabinets
- Airless blast-cleaning equipment

Typical physical properties

Hardness	approx. 7 – 7,5 mohs
Grain shape	spherical
Melting point	approx. 2100 °C
Specific gravity	approx. 3,8 g/cm ³
Bulk density <small>depending on granular size</small>	approx. 2,1 – 2,4 g/cm ³

Typical chemical analysis

ZrO ₂	61,98 %
SiO ₂	27,77 %
Al ₂ O ₃	4,57 %
CaO	3,47 %
Fe ₂ O ₃	0,14 %
TiO ₂	0,34 %

Packaging

25 kg bags/ drums on pallet up to 1 ton
1 ton loose in big bag

Available sizes

Metric	Average grain size (µm)
	0 – 63
	0 – 125
	70 – 125
	125 – 250
	250 – 425
	425 – 600
	600 – 850

Other grain sizes can be produced if required.



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