P.GENERAL SUPPLY

234 Moo 5 PrakasaRoad,Praksasa, Muang,Samutprakarn 10280 Thailand

Tel: (662)728-5246-8 Fax : (662) 728-5249

Zirconium Beads : CENOBEADS

Main advantages of using CENOBEADS

- Offers the best choice for media selection and cost reduction by manufacturing and distribution both CZY and CZC , CZS
- Satisfies customer needs for fine particle sizes across the whole industry (Paint / Ink / Dyes / Pigments /Magnetic Coating
  Agrochemicals/ Mineral Fillers / Technical and electro ceramics etc.)
- Produces the most optimal for the Horizental and Vertical mills.
- Cenobeads is the most optimal media for low / high viscosity microgrinding and microdispersion due to its high density and hardness.
- Minimizes the pollution emission from the media due to its high wear resistance and smooth surface.
- Maximizes productivity and minimizes operational loss from media breakage during grinding /dispersion due to its high facture toughness.
- Cenobeads is the most optimal shot-blasting and peening media due to its ability to resist breakage even
- after long periods of peening

Physical Properties of CZY	
Composition	ZrO_2 (3 mo $1Y_2O_3$)
Specification Density	>6.02 g / cm³
Bulk Density	>3.70 g / cm³
Hardness	>1300 Hv
Thermal Conductivity	2.88 W/mK
Thermal Expansion Coefficient	9.60 x 10 -6 / °C (20 to 400 °C)
Bending Strength	600 kgf /mm³
Packing	25 kgs
standard Size	0.3 mm/0.5 mm/ 0.65 mm/0.8 mm/1 mm/ 1.2 mm/1.5 mm/2.0 mm

Chemical Composition of CZY	
Element	Specification
ZrO_2 HfO_2	94.9 ± 0.50
Y_2O_3	5.1 ± 0.30
Al $_2O_3$	0.2 ± 0.05
Fe_2O_3	Less than 0.01
SiO_2	Less than 0.01
TiO_2	Less than 0.01
Na_2O_2	Less than 0.01
MgO	Less than 0.01