

# Round Ceramic Blasting & Peening Media 65 Zirconia Silicate Beads For Shot Peening

## Specifications :

Price	Contact Us
Place of Origin	Shandong, China
Payment Terms	T/T, L/C, Western Union, etc.
Delivery Detail	10-25 Working Days.
Keyword	Zirconia Beads

## Detail Introduction :

### Ceramic Blasting & Peening Media 65 Zirconia Silicate Beads

Ceramic bead is a spherical blasting and peening media produced by the fusion of oxides at a very high temperature. Ceramic bead is extremely tough, high impact properties coupled with good hardness, ensuring consistent peening intensities and surface finishes.

### Application

Removal of carbon deposits and other impurities from glass making and rubber tire moulds, without damaging the surface or critical edges

Deburring thin gaskets

Shot peening ferrous and non ferrous items including aircraft engine blades, turbines etc. Internal and external thread peening

Cleaning, sanitizing and surface finishing of fabricated stainless steel items for food and pharmaceutical industries. Medical implant and instrument surface finishing

Ceramic beads can be used in Air Blast and Wet Blast system plus Turbine Shot Blast equipment.

## Technical Specification

Items	Specification
Composition wt%	60-65% ZrO <sub>2</sub> 30% SiO <sub>2</sub>
Bulk Density Kg/L	2.6-2.7(?2mm)
Specific Density g/cm <sup>3</sup>	4.0-4.1
Hardness Moh's	>8.5
Elastic modulus GPa	200
Thermal Conductivity W/m.K	3
Fracture Toughness MPam <sup>1-2</sup>	7
Grain size μm	?0.5
Thermal expansion Coefficient(20-400 °C) 10x10 <sup>-6</sup> / °C(20-400)	9.6

## Available Size:

ø 0.2-0.4mm	ø 0.4-0.6mm	ø 0.6-0.8mm	ø 0.8-1.0mm	ø 1.0-1.2mm
ø 1.2-1.4mm	ø 1.4-1.6mm	ø 1.5-2.0mm	ø 2.0-2.5mm	ø 2.5-3.0mm

∅ 3.0-3.5mm

∅ 4mm

∅ 5mm

∅ 8mm

∅ 10mm

Other size can be customized