

✂ ZIRSHOT® HDC ARE THE HIGH DENSITY ZIRCONIA CERAMIC BEADS FOR HIGH ENERGY SHOT-PEENING

Zirshot® HDC combines the highest density, hardness and toughness of Zirconia ceramic material, to provide superior high-energy peening performance

- Maximum level of compressive stress near the surface
- Smooth surface finish to minimize crack generation
- No contamination to treated parts, thanks to chemical inertness and very low level of particle embedment

CHEMICAL ANALYSIS

Typical values	ZrO ₂ + CeO ₂	Other
wt%	> 98	< 2

DESIGNATION AND AVAILABLE SIZES

Name	Size range (µm)
ZC900	900 – 1100
ZC600	600 – 800
ZC400	400 – 600

PHYSICAL PROPERTIES

	Typical values	Units
Specific gravity	6.2	g/cm ³
Bulk density	3.8	kg/l
Vickers hardness	1180	HV1

PACKAGING

- 20 kg plastic jerrycan

MAIN APPLICATIONS

- Shot peening to improve fatigue strength, corrosion, pitting wear, micro-fretting
- Peening and Forming of high hardness metals

MAIN USERS

- Automotive
- Aeronautics
- Energy
- Biomedical



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