

## ✂ ZIRMIL® Y IS THE BEST-IN-CLASS CERAMIC BEAD FOR HIGH ENERGY MILLING WITH MINIMUM WEAR

Zirmil® Y is based upon a unique in-house technology using ZirPro's advanced yttria-stabilized zirconia, which enables to obtain optimized ceramic properties for the best milling performance.

- High ceramic density of 6.0 g/cm<sup>3</sup> for high energy milling
- Well controlled homogeneous grain size for high wear resistance
- Narrow bead size distribution for a better control of the final grind

### CHEMICAL ANALYSIS

Typical values	ZrO <sub>2</sub>	Y <sub>2</sub> O <sub>3</sub>	Others
wt%	93	5	2

### STANDARD SIZES

Nominal (mm)	Range (mm)	Nominal (mm)	Range (mm)
0.6	0.6 – 0.7	1.5	1.45 – 1.6
0.8	0.8 – 0.9	1.75	1.75 – 1.9
1.0	1.0 – 1.1	2.0	2.0 – 2.2
1.25	1.25 – 1.4	2.3	2.3 – 2.5

Other sizes available on demand

### PHYSICAL PROPERTIES

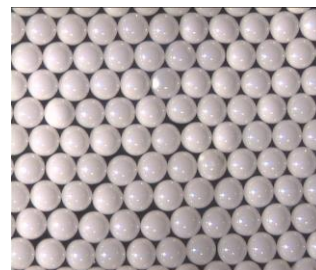
	Typical values	Units
Specific gravity	6.0	g/cm <sup>3</sup>
Bulk density	3.7	kg/l
Vickers hardness	1250	HV1

### PACKAGING

- 20kg plastic containers
- 1 ton big-bag

### MAIN APPLICATIONS

- Paints & Coatings
- Pigments & inks
- Cosmetics
- Food industry
- Ceramics
- Biotechnology



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