

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

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

- High ceramic density for high energy milling
- Well controlled homogeneous grain size for high wear resistance
- Fine and 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)
0.2	0.15 – 0.28
0.3	0.25 – 0.35
0.4	0.35 – 0.45
0.5	0.45 – 0.55

#### 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

- 1kg, 5kg, 10kg, 20kg plastic containers

#### MAIN APPLICATIONS

- Digital inks
- Dyes
- Paints & Coatings
- Li-ion battery materials
- Electronic ceramics
- Biotechnology



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