

## Product information

# ZIRMIL<sup>®</sup> Y

zirconium oxide (ytt-stab.) ZrO<sub>2</sub> 93%

### Characteristic and use:

Ceramic micro grinding beads Zirmil<sup>®</sup> Y are produced from a unique yttria doped zirconium powder. They provide high milling efficiency and high wear resistance, especially in heavy duty mills with high application of energy.

Main micro grinding applications:

- paints
- inks
- magnetic coatings
- dyes
- pigments
- cosmetics
- minerals
- electronic ceramics
- ceramics

### Diameters:

0,1 mm -0,02/+0,05	0,5 mm -0,05/+0,05	1,5 mm -0,25/+0,10
0,2 mm -0,05/+0,08	0,6 mm -0,10/+0,10	1,75 mm -0,15/+0,25
0,3 mm -0,05/+0,05	0,8 mm -0,10/+0,10	2,0 mm -0,20/+0,24
0,4 mm -0,05/+0,05	1,0 mm -0,10/+0,10	2,3 mm -0,06/+0,20
	1,25 mm -0,07/+0,15	

### Technical properties:

Shape	round
Colour	white
Density (spec. gravity)	6 g/cm <sup>3</sup>
Hardness Vickers	1250 HV1
Surface	smooth
Modulus of elasticity	---
Settled apparent density	3,7 kg/dm <sup>3</sup>
Purity	---
Fracture toughness	---
Wear rate	---

### Chemical composition:

ZrO <sub>2</sub>	93%	crystal structure: >95% stabilized
Y <sub>2</sub> O <sub>3</sub>	5%	
others	2%	

### Packing:

- in plastic cans with 20 kg each
- 5 kg, 10 kg plastic containers

### Storage:

in dry rooms

Subject to change - All information is given in good faith but without warranty. We cannot accept responsibility or liability for any damage, resulting from the use of this information