

## Product information

# ZIRMI<sup>®</sup>L<sup>®</sup>Y

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

### Characteristic and use:

Ceramic microgrinding beads Zirmil<sup>®</sup>Y are produced from a unique yttria doped zirconium powder. They provide high milling efficiency and high wear resistance.

Main microgrinding applications:

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

### Diameters:

0,1 mm	-0,02/+0,05	0,5 mm	-0,075/+0,10	1,5 mm	-0,25/+0,10
0,2 mm	-0,06/+0,05	0,6 mm	-0,10/+0,10	1,75 mm	-0,15/+0,25
0,3 mm	-0,06/+0,055	0,8 mm	-0,10/+0,10	2,0 mm	-0,20/+0,24
0,4 mm	-0,085/+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:

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

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

### Storage:

in dry rooms

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