

## Product information

# ZYE - L

zirconium oxide (Ytt-stab.) ZrO<sub>2</sub> 94,35%

### Characteristic and use:

The ceramic balls ZYE-L are distinguished by an extremely high wear resistance since they have a very good roundness and a dense polished surface. Lowest contamination of the mill material are so prevented and product quality of the highest level can be ensured. The balls have no air inclusions, therefore no ball breakage, no damages of the mill and no contamination of the final product

Recommended application for:

- |                                  |                         |
|----------------------------------|-------------------------|
| - paints and varnishes           | - technical ceramic     |
| - organic and inorganic pigments | - plant protection      |
| - dyes                           | - cosmetics             |
| - electrical ceramic             | - battery raw materials |
| - medical engineering            |                         |

### Diameter:

0,1 - 0,2 mm	0,4 - 0,5 mm	1,0 - 1,2 mm
0,2 - 0,3 mm	0,4 - 0,6 mm	1,2 - 1,4 mm
0,2 - 0,4 mm	0,6 - 0,8 mm	1,4 - 1,6 mm
0,3 - 0,4 mm	0,8 - 1,0 mm	

### Technical properties:

<b>Shape</b>	round
<b>Color</b>	white
<b>Density (spec. gravity)</b>	6,05 g/cm <sup>3</sup>
<b>Hardness acc. to Vickers</b>	> 1400 HV <sub>10</sub>
<b>Heat extension coefficient</b>	---
<b>Surface</b>	smooth
<b>Modulus of elasticity (Young)</b>	215 GPa
<b>Settled apparent density</b>	3,62 - 3,69 kg/dm <sup>3</sup>
<b>Pureness</b>	food pure
<b>Deformation temperature</b>	---

### Chemical composition:

ZrO <sub>2</sub> + HfO <sub>2</sub>	94,35%
Y <sub>2</sub> O <sub>3</sub>	5,35%
other oxides	0,3%

### Packing:

- in units of each 20 kg in plastic buckets

### Storage:

in dry rooms

All information is given in good faith but without any warranty