

## Product information

# ALUMINIUM OXIDE - inert balls

Al<sub>2</sub>O<sub>3</sub> 99,7%

### Characteristic and use:

Aluminium oxide inert balls have a relatively smooth surface and are suitable as catalyst reactor and desiccant bed supports, or for ballast under exposure to high temperature or severe corrosive conditions. The high chemical purity and inertness of the balls minimizes the possibility of catalyst contamination and adverse side reactions. The balls offer good resistance to heat shock, mechanical shock and abrasion.

### Diameters:

1/4" ≈ 6,35 mm  
1/2" ≈ 13 mm

5/16" ≈ 8 mm  
3/4" ≈ 19 mm

3/8" ≈ 11 mm  
1" ≈ 25 mm

### Technical properties:

<b>Shape</b>	round
<b>Density (spec. gravity)</b>	<b>3,6 - 3,8 g/cm<sup>3</sup></b>
<b>Hardness according to Mohs</b>	9
<b>Coefficient of thermal expansion</b>	25 W/m.K (20-100°C)
<b>Surface</b>	smooth
<b>Modulus of elasticity (Young)</b>	300 Gpa
<b>Settled apparent density</b>	<b>2,17 kg/dm<sup>3</sup></b>
<b>Crushing strength acc. to diameter</b>	300 - 1500
<b>Flexural strength</b>	250 Mpa
<b>Purity</b>	---
<b>Deformation temperature</b>	---
<b>Water absorption</b>	0,40%

### Chemical composition:

Al <sub>2</sub> O <sub>3</sub>	99,7%	Fe <sub>2</sub> O <sub>3</sub>	0,01%
SiO <sub>2</sub>	0,0%	Na <sub>2</sub> O	0,20%

### Packing:

- in bags with 25 kgs each

### 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