

## Product information

# ALUMINIUM OXIDE - granulate and balls

Al<sub>2</sub>O<sub>3</sub> 90%

### Characteristic and use:

granulate: produced by pelletizing-process, unround beads  
grinding balls: produced by dry-pressing-process, round beads with press-rim  
ceramic materials are resistant against corrosive influence of the atmosphere also in surroundings of media with content of salt, acid and alkali, gas, steam and deposits - with the exception of hydrofluoric acid.

### Diameters:

granulate	granulate	grinding balls
0,75 - 1,50 mm		19 mm
1,50 - 2,50 mm	6,00 - 8,00 mm	22 mm
2,50 - 3,50 mm	7,00 - 9,00 mm	25 mm
3,00 - 4,00 mm	9,00 - 11,00 mm	32 mm
3,00 - 5,00 mm		38 mm
3,50 - 4,50 mm		44 mm
5,00 - 7,00 mm		51 mm
6,00 - 7,00 mm		63 mm

ask for special sizes

### Technical properties:

<b>Shape</b>	round
<b>Density (spec. gravity)</b>	<b>3,63 ±0,07 g/cm<sup>3</sup></b>
<b>Hardness according to Mohs</b>	~ 9
<b>Hardness according to Rockwell 45 N</b>	80 ± 3
<b>Surface</b>	smooth, dense without porosity
<b>Modulus of elasticity (Young)</b>	2,7 kg/cm <sup>3</sup> x 10 <sup>6</sup>
<b>Settled apparent density</b>	<b>2,0 - 2,1 kg/dm<sup>3</sup></b>
<b>Crushing strength acc. to diameter</b>	> 2.100 N/mm <sup>2</sup>
<b>Flexural strength</b>	> 320 N/mm <sup>2</sup>
<b>Purity</b>	---
<b>Deformation temperature</b>	up to 1.600°C
<b>Water absorption</b>	not detectable

### Chemical composition:

Al <sub>2</sub> O <sub>3</sub>	90,0%	oxides of alkaline metals	5%
SiO <sub>2</sub>	4,5%		

### 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