

Product information

ALUMINIUM OXIDE - balls

Al₂O₃ 99,5%

Characteristic and use:

These media offer better grinding efficiency because of their higher density. Productivity is therefore higher and operating costs are lower. The purity is minimizing batch contamination.

Diameters:

1 mm +/-0,3	6 mm +/-0,5	20 mm -0,5/+3,0
2 mm +/-0,5	8 mm +/-0,5	25 mm -0,5/+3,0
3 mm +/-0,5	10 mm +/-1,0	30 mm -0/+4,0
4 mm +/-0,5	15 mm +/-1,0	40 mm -0/+5,0
5 mm +/-0,5		50 mm -0/+6,0

Technical properties:

Shape	round
Density (spec. gravity)	3,8 +/- 0,05 g/cm ³
Hardness HV 10	ca. 14 GPa
Coefficient of thermal expansion	---
Surface	---
Modulus of elasticity (Young)	---
Settled apparent density	2,1 kg/dm ³
Fracture toughness	4 MPavm
Flexural strength	---
Purity	---
Deformation temperature	---
Thermal conductivity	---
Weight loss	500 ppm/h

Chemical composition:

Al ₂ O ₃	99,50%	MgO	0,20%
SiO ₂	0,10%	Na ₂ O	<0,10%
Fe ₂ O ₃	<0,10%	K ₂ O	0,01%
CaO	<0,10%		

Packing:

- in units with 1 kg or 10 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

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Diameters:

1 mm +/-0,15	10 mm -1,0/+2,0
2 mm +/-0,15	15 mm -1,0/+3,0
3 mm +/-0,20	20 mm -1,0/+4,0
5 mm +/-0,50	25 mm -0,0/+5,0

Technical properties:

Shape	round
Density (spec. gravity)	ca. 3,9 g/cm ³
Hardness HV 10	≥ 15 GPa
Coefficient of thermal expansion	---
Surface	---
Modulus of elasticity (Young)	---
Settled apparent density	2,1 kg/dm ³
Fracture toughness	3,5 MPavm
Flexural strength	---
Purity	---
Deformation temperature	---
Thermal conductivity	---
Weight loss	6 ppm/h

Chemical composition:

Al ₂ O ₃	≥99,9%
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