

Product information

MICROGLASS BEADS - WTS

soda-lime (A-glass)

Characteristic and use:

Glass balls for reinforcement of fields sensible against tension. Filler for cost reduction but due to the advantages of ball shape also most suitable for use in

- polymers
- resins
- varnishes
- building materials

Additionally the balls can be coated with special silane adhesive agents.

Diameter:

0 - 50 µm	ca. 1,21 g/cm ³
0 - 100 µm	ca. 1,29 g/cm ³
40 - 70 µm	ca. 1,38 g/cm ³
70 - 110 µm	ca. 1,42 g/cm ³
200 - 300 µm	ca. 1,58 g/cm ³

Other sizes possible on request

Technical properties:

Shape	roundness > 80%
Colour	white / greygreen
Density (spec. Gravity)	2,5 g/cm ³
Hardness according to Mohs	6
Hardness according to Rockwell	---
Hardness according to Vickers	---
Refraction index	> 1.5
Settled apparent density	1,5 kg/dm ³
Breaking strength acc. To diameter	---
Melting temperature	ca. 1400°C
Deformation temperature	ca. 800°C
Thermal conductivity	---

Chemical composition:

SiO ₂	72,1 ± 0,3%	Al ₂ O ₃	,14%
Na ₂ O	15,0 ± 0,2%	Fe ₂ O ₃	0,2%
CaO	6,0 ± 0,2%	SO	0,5%
MgO	4,0 ± 0,2%		

Packing:

25 kg bags
BigBags á 1.000 kg

Storage:

in dry rooms

Subject to change - All information is given in good faith but without any warranty.