

Product information

MINIBEADS

glass beads

Characteristic and use:

round, lead free glass beads, fire polished, bright, smooth surface

Diameters:

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

Technical properties:

Shape	round
Density (spec.gravity)	2,5 g/cm ³
Hardness according to Mohs	5 - 6
Coefficient of thermal expansion	10 x 10 ⁻⁶ K ⁻¹ (20-400°C)
Surface	fire-polished without porosity
Modulus of elasticity (Young)	59 GPa
Settled apparent density	1,6 kg/dm ³
Crushing strength acc. to diameter	dia. 2 mm = 2.380 N/mm ²
Purity	free from strange inclusions and adheres
Hydrol. class	III
Acidic class	---
Alkaline class	---
Deformation temperature	680° C +/- 10
Content of lead	without lead
Thermal conductivity	0,837 W/mK at 0°C 1,507 W/mK at 500°C

Chemical composition:

	0,4 - 0,8 mm	0,8 - 2,0 mm
SiO ₂	70 - 74%	60 - 70%
Na ₂ O	10 - 15%	12 - 18%
CaO	7 - 11%	15 - 20%
Al ₂ O ₃	0,5 - 2%	1 - 5%
MgO	3 - 5%	1 - 4%

Packing:

- in units with 25 kgs in a poly-bag
- less than 500 kgs, each poly-bag in a cover carton
- 500 kgs and more, 20 poly-bags in a big cover carton
- 500 kgs on a Euro-pallet

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