

The German
spirit of quality
since 1854



SiLibeads AIR®

...light and strong products



HOLLOW GLASS BEADS

Examples of Applications:

- Filling material for the modification of the physical properties of thermoplastics and duroplastics
- Filling material for the reduction of weight in composite materials as lightweight concretes or cements
- As a thermal insulator in thermal insulating coatings (also for the modification of the physical properties of the coatings)
- Effect material for decorative effects in wall paints and further technical applications

Standard Sizes –special diameters available by request			
Article	Patikel sizes D10 / D50 / D90	Bulk density	Crushing strength
8015	30 µm / 70 µm / 110 µm	0.10 g/cm ³	2 Mpa
8020	32 µm / 68 µm / 106 µm	0.12 g/cm ³	4 Mpa
8025	30 µm / 65 µm / 100 µm	0.15 g/cm ³	5 Mpa
8032	30 µm / 56 µm / 74 µm	0.19 g/cm ³	14 Mpa
8038	20 µm / 50 µm / 80 µm	0.21 g/cm ³	36 Mpa
8040	20 µm / 45 µm / 70 µm	0.23 g/cm ³	28 Mpa
8046	22 µm / 45 µm / 65 µm	0.26 g/cm ³	41 Mpa
8060	18 µm / 40 µm / 60 µm	0.35 g/cm ³	55 Mpa
8070	15 µm / 30 µm / 40 µm	0.42 g/cm ³	124 Mpa
8082	18 µm / 40 µm / 60 µm	0.35 g/cm ³	82 Mpa

Technical Data	
Size Range:	Between 10 and 150 µm
Density (g/cm ³):	0.15 – 1.00
Bulk Density (g/cm ³):	0.10 – 0.66
Rate of Floatage (%):	90 - 95 (typical)
pH-Value:	8.0 – 9.5
Softening point:	625 °C
Appearance:	colorless rigid spheres; white powder in bulk

Chemical Analysis	Weight
Silicon dioxide SiO ₂	72.50 %
Boric oxide B ₂ O ₃	11.50 %
Calcium oxide CaO	10.00 %
Sodium oxide Na ₂ O	5.00 %
further	1.00 %

For more technical information please contact:

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