

Glass Beads

Type P – Borosilicate

Chemical Composition		Chemical Composition weight-%			Some of the mainly used standard sizes						
		Hydrolytic class	HGB 1	DIN ISO 719	Diameter *)	Tolerance **)	Roundness **)	Stand. Surface	Weight/1000 pcs	Pieces / 1000 gr	
SiO ₂	81,20 %	Acidic class	S 2	DIN 12116	1,588 mm	1/16"	+/- 0,02 mm	≤ 0,02 mm	polished	4,67 gr.	213.867
B ₂ O ₃	12,40 %	Alcaline class	A 1	DIN 695	2,500 mm		+/- 0,02 mm	≤ 0,02 mm	polished	18,24 gr.	54.812
Na ₂ O	2,93 %	Specific weight	2,23 kg/ltr.	DIN ISO 787-10	3,969 mm	5/32"	+/- 0,02 mm	≤ 0,02 mm	polished	73,00 gr.	13.698
Sb ₂ O ₃	<0,01 %	Grades and Tolerances ANSI/AFBMA - 10.1989			4,762 mm	3/16"	+/- 0,02 mm	≤ 0,02 mm	polished	126,09 gr.	7.931
As ₂ O ₃	<0,01 %				Grade	Deviatoin from spherical form in micron	Maximum surface roughness in micron	6,350 mm	1/4"	+/- 0,02 mm	≤ 0,02 mm
others		200	5	0,2	7,938 mm	5/16"	+/- 0,02 mm	≤ 0,02 mm	polished	584,03 gr.	1.712
		100	2,5	0,125	12,700 mm	1/2"	+/- 0,02 mm	≤ 0,02 mm	matt	2.391,75 gr	418
					19,050 mm	3/4"	+/- 0,02 mm	≤ 0,02 mm	matt	8.072,15 gr.	124
					31,750mm	1 1/4"	+/- 0,02 mm	≤ 0,02 mm	matt	37.371,08 gr	27

Figures are reference values.
Special grades upon request.

Special sizes are available upon request. Figures of Bulk Density are reference values.