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## Data Sheet

## MagSpheres G-Series Glass - Hollow microspheres

**Glass Type:** Boron silicate glass

**Description:** Hollow glass spheres are free-flowing, powdery, ultra-light, inorganic and non-metallic materials. Their almost round character and their lightweight combined make them suitable for a wide range of applications. Due to the pure white color, they can be used where high demands are made on appearance and color. The high dispersing and flowability, dimensional stability, reduced warpage and shrinkage are ideal when used as an additive. In addition, they can be used in thermal and sound insulation, in automotive sealants as well as in adhesives of almost any kind. In addition, they are corrosion resistant, fire resistant and non-conductive.

### A small selection of available types: on request, more types available

Property**	Unit	G125/20	G75/22	G100/22	G100/25	G65/28	G80/32	G70/40	G65/60	G25/60
Appearance	white, free flowing									
Particle size	D90 in $\mu\text{m}$	$\leq 125$	$\leq 70$	$\leq 100$	$\leq 100$	$\leq 65$	$\leq 80$	$\leq 70$	$\leq 65$	$\leq 25$
Bulk density	$\text{g}/\text{cm}^3$	0,1-0,12	0,11-0,13	0,11-0,13	0,13-0,15	0,14-0,17	0,17-0,19	0,19-0,23	0,29-0,34	0,29-0,33
True Density	$\text{g}/\text{cm}^3$	0,18-0,22	0,22-0,24	0,22-0,24	0,23-0,27	0,27-0,30	0,30-0,34	0,39-0,42	0,58-0,62	0,58-0,62
Pressure Resistance*	$\text{N}/\text{mm}^2$	3,5	8,3	5,2	5,0	28,0	8,3	28,0	83,0	193,0

\*Fracture rate 20 %

Packaging	G125/20	G75/22	G100/22	G100/25	G65/28	G80/32	G70/40	G65/60	G25/60
Bagged goods (kg)	10	10	10	12,5	15	15	20	30	30
Jumbo Bag (kg)	125	125	125	160	250	200	200	400	400

\*\*The values given are for illustrative purposes only and do NOT constitute a specification.