SWARCOBLAST Glass Blasting Beads

Technical information

Main characteristics

SWARCOBLAST glass blasting beads are a non-metallic mineral fine blasting medium made of glass. The blasting beads are suitable for gentle cleaning, deburring, smoothing, matting, solidifying surfaces and reduction of surface roughness of metallic and austenitic materials.

Available grain size

Sieving range	µm	1-50 40-70 50-105 70-110 90-150 100-200 150-250	200-300 200-400 300-400 400-600 400-800 600-800

Further customized particle-size distributions are possible upon request.

Product information

Property	Typical value	Unit
Roundness	> 80	%
Bulk weight	~1,5	g/cm³
Specific weight	2,5	g/cm³
Hardness	~6	acc to. Mohs
	~46-58	acc to. Rockwell
	~645	acc to. Vickers

Processing pressure of glass blasting beads should not exceed 4 bar.

Chemical composition

SWARCOBLAST glass blasting beads are melted from soda lime glass:

Property	Typical value	Unit
SiO_2	65-75	%
Na_2O	10-20	%
CaO	5-15	%
MgO	0-10	%
Al_2O_3	0-10	%
K_2O	0-3	%
BaO	0-3	%
Fe_2O_3	0-3	%

Packaging

- In 25 kg paper bags (with poly-inner bag).
- Packaging in 500 – 1.000 **(*)** – 1.250 kg big bags is available upon customer request.

(*) Only possible at SWARCO VESTGLAS (DE-Recklinghausen).

Storage

- Store products in closed, dry warehouses.
- Shelf life in original packaging:
  - < 100 µm: 6 months
  - ≥ 100 µm: 12 months
- Protect from frost, overheating, and direct sunlight.
- Ideally, SWARCOBLAST glass blasting beads should be moved to the processing hall the day before to ensure optimal adaptation to the ambient temperature and dry processing.

Important information: For technical production reasons, foreign impurities, additives and oversized grains up to max. 0.1 wt% can occur. Dust content or undersized particles (unless otherwise stated in the sieve curve) are possible up to 0.5 wt%.

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This information is, however, no warranty for any properties of the material. We provide this information without obligation, also regarding the rights of third parties.

The users have to make sure that the material is appropriate for the respective application.

Upon the release of a new technical information sheet, this document becomes invalid.