

Glass beads

Technical Data Sheet

11/2024

📦 Glass beads

Glass beads are sandblasting materials made of high-quality borosilicate glass or soda-lime glass. They have chemical stability and mechanical strength and can be used for cleaning, polishing, deburring, and shot blasting. Widely used in industries that require precise surface treatment without damaging the underlying material, such as soft metals, glass, plastics, rubber, etc.

- Uniform spherical shape for consistent pressure distribution.
- Provides a smooth polished surface with a satin or matte effect.
- Gentle surface treatment for sensitive materials.
- Generates less dust than other grinding materials.
- Lead-free, non-toxic and recyclable.
- Suitable for wet grinding of low-viscosity materials.
- Chemically stable, corrosion-resistant.

📄 DESIGNATION AND AVAILABLE SIZES

0-50μm 200-300μm	40-70μm 300-400μm	70-110μm 425-850μm	90-150μm	100-200μm	150-250μm
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🔬 CHEMICAL ANALYSIS

Typical values	SiO ₂	Na ₂ O	CaO	MgO	Al ₂ O ₃	K ₂ O	Fe ₂ O ₃
%	68-75	12-18	7-12	≤5	≤2.5	≤1.5	≤0.5

🔍 PHYSICAL PROPERTIES

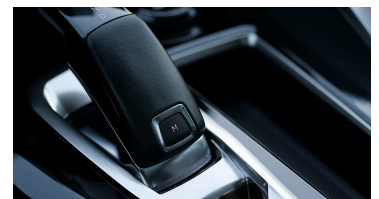
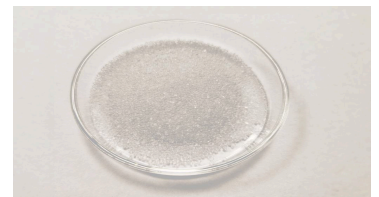
	Numerical Value
Mohs Hardness	8-9
Grain Shape	Sphere
Fusing point	730°C
Specific gravity	2.5g/cm ³
Packing density	2.3g/cm ³

📦 PACKAGING

- 25 kg bags, pallet weight up to 1 ton
- Larger bags available on request

🔬 MAIN APPLICATIONS

- Cleaning rust and oxide layers from precision aluminum products;
- Removing mold residue from castings;
- Fine machining of stainless steel to achieve a matte finish;
- Shot peening of aerospace parts.



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