

GLASS BEADS



GLASS BEADS are fine blasting and reusable abrasives in accordance with DIN 8201, based on molten sodium glass. The product meets the work protection requirements in accordance with DGUV rule 100-500, part 2, chapter 2.24 „Working with blasting equipment (blasting work)“.

CHARACTERISTICS

- > smooth
- > mattifying, levelling, shot peening
- > recycling product
- > multifunctional
- > iron-free for stainless and special steel
as well as non-ferrous metals (weld seams)
- > for compressed air and injector jet technology

CHEMICAL ANALYSIS

(normal values)

SiO ₂	68,0 – 75,0 %
Al ₂ O ₃	0 – 2,5 %
MgO	0 – 5,0 %
CaO	7,0 – 12,0 %
Na ₂ O	12,0 – 18,0 %
Sonstige	max. 2,0 %

PHYSICAL PROPERTIES

specific weight	approx. 2,5 g/cm ³
bulk density	approx. 1,5 g/cm ³
Mohs hardness	approx. 6
particle shape	round

SIZES

0 – 50 µm	150 – 250 µm
40 – 70 µm	200 – 300 µm
50 – 105 µm	200 – 400 µm
70 – 110 µm	300 – 400 µm
90 – 150 µm	400 – 600 µm
100 – 200 µm	400 – 800 µm

For production reasons, foreign impurities, additives and oversize particles can occur up to a maximum of 0.1% by mass. Unless otherwise stated, undersize up to 0.5% by mass is possible.

PACKAGING

- > 25 kg paper bags on Europallets of 1.000 kg
- > Big Bags of 1.000 kg

USE

Use as reusable abrasives in stationary compressed air jet systems, e.g. shot blasting chambers.

Gentle cleaning of sensitive surfaces.

Creation of even, smooth and matt surfaces.

Appropriate for blasting work on high-alloy steel, special steel and non-ferrous metals due to no iron content.

Removal of welding colors and smoothing of weld seams. Shot peening.

Sectors: Device and container construction for the medicine and food industries, stainless steel construction, shipbuilding industry, design & architecture.