

SWARCOBLAST Glass Blasting Beads

Technical Information

MAIN CHARACTERISTICS & FIELD OF APPLICATION

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 SIZES

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

Further customized particle-size distributions are possible upon request.

MATERIAL

Chemical composition SWARCOBLAST glass blasting beads are melted from soda lime glass. Chemical Composition according to DIN 8201:

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 %
Other	max. 2,0 %

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%.

PRODUCT INFORMATION

Specific weight	~ 2,5 g/cm ³
Bulk weight	~ 1,5 kg/l
Hardness	acc. to Mohs ~ 6
	acc. to Rockwell ~ 46
	acc. to Vickers ~ 645
Refractive index	≥ 1,5
Roundness	> 80 %

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

SPECIFICATIONS

Test or sieving specifications according to defined factory specifications.

PACKAGING & STORAGE

Packaging in 25 kg paper bags with poly-inner bag, packaging in 1000 kg big bags is possible upon request.

Protect product against humidity. Dry and sheltered storage.

IMPORTANT INFORMATION

Please consider our General Terms and Conditions and the general notes of the Technical Information Sheet. No liability is accepted for any errors. The information is provided to our best knowledge and experience. 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.