

SWARCOCLEAR Filter Glass Beads

Technical information

Main characteristics

SWARCOCLEAR filter glass beads are an efficient filter medium for water filtration applications in pool systems and water and wastewater treatment plants due to their smooth, closed surface and high material hardness.

Their advantageous properties reduce the amount of filter medium required, the backwashing time and thus the water and energy consumption, as well as the long-term retention of germs and impurities.

Compared to conventional filter materials, SWARCOCLEAR filter glass beads have decisive advantages such as a lower risk of biofilm formation, a longer shelf life, lower consumption of energy, chemicals and water, higher filtration quality and lower pressure loss.

Available grain sizes

Sieving range

mm

0,5-1,0
1,0-2,0

Further customized particle-size distributions are possible upon request.

Product information

Property

Typical value

Unit

Specific weight

~2,5

g/cm³

Bulk weight

~1,5

kg/l

Hardness

~6

acc. to Mohs

~46

acc. to Rockwell

~645

acc. to Vickers

Roundness

50-85

%

Material

Chemical composition

The glass filter beads are made from melted soda-lime glass.

Property	Typical value	Unit
SiO ₂	61,0-75,0	%
Al ₂ O ₃	0-2,5	%
MgO	0-5,0	%
CaO	7,0-20,0	%
Na ₂ O	0-10	%
Others	max. 2,0	%

For technical production reasons, impurities, additives, and oversized particles of up to 0.1 percent by weight may occur. Dust and undersized particles (unless otherwise specified in the sieve curve) are possible up to 0.5 percent by weight.

Packaging

- Packaging 20 kg paper bags.
- On customer request, packaging in 18 kg plastic canisters or 1.000 kg big bags is possible.

Storage

- Protect the product from humidity.
- Store in closed, dry halls.

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.

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

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.

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