

SWARCOCLEAR Filter Glass Beads

TECHNICAL PRODUCT INFORMATION

Description / Application

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

SWARCOCLEAR filter glass beads reduce the amount of filter medium required, the backwashing time and thus the water and energy need as well as the permanent retention of germs and contamination due to their advantageous composition.

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

Product Range

Sieving Range	mm	0,5-1,0
		1,0-2,0

Further customized particle-size distributions are possible upon request.

Technical Data

Material	The glass filter beads are made from melted soda-lime glass.												
	<p>Chemical Composition:</p> <table> <tr><td>SiO₂</td><td>61,0-75,0 %</td></tr> <tr><td>Al₂O₃</td><td>0-2,5 %</td></tr> <tr><td>MgO</td><td>0-5,0 %</td></tr> <tr><td>CaO</td><td>7,0-20,0 %</td></tr> <tr><td>Na₂O</td><td>12,0-18,0 %</td></tr> <tr><td>Other</td><td>max. 2,0 %</td></tr> </table> <p>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.</p>		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	12,0-18,0 %	Other
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Other	max. 2,0 %												
Specific weight	g/cm ³	~ 2,5											
Bulk weight	kg/l	~ 1,5											
Roundness	%	50-85 %											
Hardness	by Mohs	~ 6											
	by Rockwell	~ 46											
	by Vickers	~ 645											

Packaging & Storage

Standard Packaging in 20 kg paper bags.

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

Protect product from moisture. 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. 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 user has to make sure that the material is appropriate for the respective application.