Technical Data Sheet • STAGE 1 •

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The whole range of filter medium based on glass by Nature Works Glass Filter Media incorporate the Anti-Compaction Technology ®. This allows to:

- Avoid compactation of the filter medium.
- Design the performance of the filter medium.
- Use just one kind of grane -one granulometric curve- for any size filter.
- The obtaining of a multifaceted particle, with no pores or sharp edges and harmless.
- Keep all the micro-channels of the filtering mass open, avoiding clogging inside the filter and maximizing the content of dirt capacity.
- Reduce the consumption of chemical products used for water maintenance.

The granulometric curve for STAGE 1 has been designed in order to:

- Optimize the filter´s maximum content of dirt capacity, minimizing backwashing needs.
- Make the backwashing process outstandingly effective.
- Minimize the pressure loss into the filter, leading to lower consumption of the pump.
- Optimize the filtration quality, taking into account all the premises mentioned above.

TECHNICAL DATA

Description	Technical glass high-calibrated for the filtration of the swimming pool water and for industrial water treatment.	
Composition	SiO2 (74%); Na2O (11%); CaO (10%) / Purity Level: at least 99.999%, (below detection limit)	
Colour	Transparent (Made exclusively from recycled flat glass)	
Density	Density of the particle: 2.490 kg/m3	Bulk density: 1.335 kg/m3
Granulometry	High-calibrated granulometry minimum 0,6 mm. 0,8 mm. on average.	
Format	20 kg. recyclable paper bag in 3 layers with a UV-resistant layer of PE	
Precautions	Do not ingest	
Incompatibilities	None detected	
Installations	Substitute the filtering mass for Nature Works Hi-Tech Filter Media and proceed to a 5 minute backwash before start to filtering.	
Description Required quantities of Nature Works Hi-Tech Glass filter media as specified by the filter manufacturer. (20% less weight than quartz sand needed).	Maximum admisible flow rate: 90 m3/h/m2	Typical working flow rate: between 15 and 50 m3/h/m2
	Critical point for backwashing: 18 m3/h/m2	Optimum air flow injection: 40 m3/h/m2
	Optimum flow for backwashing: 30 m3/h/m2 (higher flows do not clean any quicker)	
	Before filling your filter, check the state of the collectors (filter star) very carefully and preferably substitute them.	