



Technical Data Sheet • STAGE 3 •

www.natureworks.es

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

- Avoid compaction of the filter medium.
- Design the performance of the filter medium.
- Use just one kind of grain -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 3 has been designed in order to:

- Maximize the filtration quality over any other premise.
- Create filtration micro-channels with a calibre of under 0,2 micron. The objective is to achieve the DE-Diatomea Earth-filtration quality when it has lost its capillary effect -0,2 micron.

TECHNICAL DATA

Description	Technical glass high-calibrated for industrial water treatment.	
Composition	SiO ₂ (74%); Na ₂ O (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/m ³	Bulk density: 1.370 kg/m ³
Granulometry	High-calibrated granulometry minimum 0,2 mm. 0,2 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 admissible flow rate: 6 m ³ /h/m ²	Typical working flow rate: 2,5 m ³ /h/m ²
	Critical point for backwashing: 15 m ³ /h/m ²	Do not use air injection
	Optimum flow for backwashing: 30 m ³ /h/m ² (higher flows do not clean any quicker)	
	Not to be used on standard filter.	

Nature Works

Nature Works Tecnologías S.L. - B54518592

