# Technical Data Sheet • STAGE 2 •

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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 2 has been designed in order to:**

- Maximize the filtration quality with a kind of grain that can be used in any kind of filter.
- Optimize the filter s maximum content of dirt capacity taking in account prior premise.
- Allow a flow rate up to 50 m3/h/m2.
- Create micro-channels of a calibre of under 1 micron when used at low filtration rates.

## TECHNICAL DATA

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|---|---|---|
| **Description** | Technical glass high-calibrated 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: 1.345 kg/m3 |
| **Granulometry** | High-calibrated granulometry minimum 0,4 mm. 0,7 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: 50 m3/h/m2 | Typical working flow rate: between 5 and 50 m3/h/m2 |
| | Critical point for backwashing: 15 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. | |