

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

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 admissible 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.