

The whole range of filter medium based on glass by Nature Works Glass Filter Media incorporate the Anti-Compaction Technology<sup>®</sup>. 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 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<sub>2</sub> (74%); Na<sub>2</sub>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<sup>3</sup>

Bulk density: 1.370 kg/m<sup>3</sup>

### 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<sup>3</sup>/h/m<sup>2</sup>

Typical working flow rate: 2,5 m<sup>3</sup>/h/m<sup>2</sup>

Critical point for backwashing: 15 m<sup>3</sup>/h/m<sup>2</sup>

Do not use air injection

Optimum flow for backwashing: 30 m<sup>3</sup>/h/m<sup>2</sup> (higher flows do not clean any quicker)

Not to be used on standard filter.