



Nature Works



TECHNICAL DATA
SHEET PRODUCT

Stage 2

Hi-Tech Glass Filter Media

The whole range of filter medium based on glass by **Nature Works Hi-Tech Filter Media**, incorporates the **MC2 High Calibration 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.

DESCRIPTION:	Technical glass high-calibrated for industrial water treatment.	
COMPOSITION:	SiO ₂	74 %
	Na ₂ O	11 %
	CaO	10 %
	MgO	3 %
	Al ₂ O ₃	1 %
Bureau Veritas integral production certification.		
Bureau Veritas integral product certification: absence of contaminants, purity and anti-compactation.		
TYPICAL PROPERTIES:	Combustion loss at 1000 °C	no more than 0,1 %
	Resilience test, flooded base (1000 hours)	no more than 0,1%
COLOUR:	Transparent. (Made exclusively from flat glass)	
GRANULOMETRY:	High-calibrated granulometry minimum 0,4 mm. 0,7 mm. on average.	
DENSITY:	Density of the particle	2490 kg/m ³ .
	Bulk density	1345 kg/m ³ .
FORMAT:	20 kg. recyclable paper bag in 3 layers with a UV-resistant layer of polyurethane. Or 1200 kg. Bulk Bag.	
PRECAUTIONS:	Check the state of the collector or preferably substitute them. Do not ingest.	
INCOMPATIBILITIES:	None detected.	
INSTALLATION:	Substitute the filtering mass for Nature Works Hi-Tech Filter Media and proceed to a 5 minute backwash before start to filtering.	
RECOMENDACIONES:	In order to substitute the silica sand, incorporate 20% less weight in glass.	
	Maximum admissible flow rate	50 m ³ /h/m ²
	Typical working flow rate	between 5 and 50 m ³ /h/m ²
	Critical point for backwashing	15 m ³ /h/m ²
	Optimum flow for backwashing	30 m ³ /h/m ² (higher flows do not clean any quicker)
	Optimum air flow injection	40 m ³ /h/m ²

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VERITAS

La calidad de producto
Está respaldada por acreditación
Bureau Veritas ES026775-CPI

MC2 Calibration Technology
Es una propiedad industrial de



GRUPO
CAMACHO