

High-performance filtration

The grading curve of Nature Works Hi-Tech is designed to maximise retention of the most common particles found in pool water. The result? Up to 99.64% retention capacity, validated by tests carried out by specialised IFTS laboratories before a notary. This means greater bathing safety and hygiene, improved particle retention, and cleaner, healthier water every day.

DESIGNED TO FILTER DOWN TO **0,5µ**
Best retention for maximum water clarity



99.64%
RETENTION CAPACITY

80%
WATER SAVINGS

A slower clogging curve and greater availability of microchannels extend filtration cycles and space out the time and frequency of backwashes. In practice, this translates into water consumption savings of up to 80% compared with other sands and glass filter media.



Hydraulic efficiency and return on investment

Nature Works Hi-Tech delivers unbeatable hydraulic efficiency, with a slow and gradual clogging curve (g/hPa). Thanks to the high availability of microchannels, the filter media can hold more retained particles for longer without saturation peaks, achieving significant reductions in water and energy consumption. Recover your investment in record time.

35%
ENERGY SAVINGS

A filter bed without clogged zones ensures constant water flow and minimal pressure loss. The pump circulates the water through the filter media more efficiently. The result is a reduction of up to 35% compared with other sands and glass filter media.

vs Silica Sand No more biofilm in your filter

Silica sand has a porous morphology where bacteria can nest and proliferate, encouraging the formation of biofilm. Thanks to its micropolished grains and high hardness, Nature Works Hi-Tech prevents bacterial adhesion. The result is a more hygienic filter media, cleaner water and an indefinite service life. **Switch to Nature Works Hi-Tech and enjoy all its advantages over silica sand.**

Nature Works®



vs Other Glass Media Nature Works origin

Green glass: origin matters
Green or mixed-colour glass comes from post-consumer waste: bottles, jars, containers and similar items from the recycling bin. Because of this origin, it contains high levels of contaminants and pathogens that may end up in filtered water. To be used as a filter media, it must undergo advanced separation and sanitising processes, yet it can never reach the level of cleanliness offered by post-industrial glass such as that used by Nature Works Hi-Tech.



Move to the hygienic side

To manufacture Nature Works Hi-Tech, we use only recycled industrial glass (flat-glass offcuts), which offers the highest level of hygiene and a guarantee of total cleanliness for your pool water. Thanks to this origin and its demanding traceability system, it is also the only filter glass in the world certified to the NSF/ANSI/CAN 61 drinking water standard.



A unique filter media Purity and performance for your pool

Nature Works Hi-Tech is a next-generation glass filter media, **manufactured exclusively from contaminant-free recycled industrial glass, ensuring the highest level of hygiene.**

A media designed to deliver outstanding results in all types of pools, from small installations to water parks, and compatible with all types of sand filters.

Thanks to its perfectly calibrated grading curve and Anti-Compaction Technology, it delivers high retention capacity with low consumption of water, energy and chemicals. Your pool, as you have never seen it before.

- RETENTION DOWN TO 1 MICRON
- EFFICIENCY AND SAVINGS
- HYGIENE PURE GLASS
- SAFETY NO SHARP EDGES
- DURABILITY UNLIMITED

★ ★ ★ ★ ★
Top rated
+400,000 INSTALLATIONS
ZERO FAULTS



	Nature Works®	OTHER GLASS SANDS	SILICA SAND
ACQUISITION COST	MEDIUM	MEDIUM	LOW
HYGIENIC ORIGIN	YES	NO	YES
BIOFILM FORMATION	NO	POSSIBLE	YES
RETENTION CAPACITY*	VERY HIGH (99,64 %)	VARIABLE	LOW
FILTRATION SIZE SCOPE*	1 MICRON	VARIABLE	50 MICRONS
RESISTANCE TO CHANNELLING* (bed stability)	HIGH	MEDIUM	LOW
WATER CONSUMPTION (backwashing)	LOW	MEDIUM	HIGH
ENERGY CONSUMPTION (pressure loss)	LOW	MEDIUM	HIGH
CHEMICAL CONSUMPTION	LOW	MEDIUM	HIGH
SUITABLE FOR DRINKING WATER (NSF/ANSI/CAN 61)	YES	NO	POSSIBLE
UNLIMITED USE (AntiCompaction Tech)	YES	NO	NO
RETURN ON INVESTMENT	FAST AND UNLIMITED	VARIABLE	NONE

*Results according to IFTS tests carried out before a notary

Frequently asked questions

How much filter media do I need?

Thanks to the difference in density, you will need 20% less Nature Works than silica sand. In other words, if your filter manufacturer specifies 100 kg of silica sand, you will need 80 kg of Nature Works Hi-Tech.

What grading range is recommended?

The standard grading for pools is Grade 1 (0.6 - 1.2 mm), specially formulated to provide the best balance between high retention capacity and low water and energy consumption. No base layer is required.

How do I install Nature Works Hi-Tech in the filter?

Before installing the filter medium, check the condition of the laterals. If the filter is not new, replacing them is recommended. Fill the filter halfway with water and add the amount of Nature Works Hi-Tech recommended for your filter. Carry out a thorough backwash and rinse. Enjoy your pool!

What applications is it suitable for?

Nature Works grading curves are designed to deliver high performance and reliability in all kinds of installations, both in all types of swimming pools and in industrial applications, with extensive experience across both fields. Would you like to know more about the use of Nature Works Hi-Tech in industry? Contact us and we will advise you with no obligation.

Do activated glass filter media exist?

Some manufacturers claim to activate their glass filter media to achieve better results. However, there is no scientific evidence supporting this claim, nor any practical demonstration of its supposed advantages. Granular filtration is a mechanical process in which no other forces are involved, so only a perfectly calibrated grading curve determines the performance of a filter medium.

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InfoPool



High-performance glass filter media for pools

- +99% FILTRATION
- EFFICIENCY
- BIOFILM-FREE

Certified & tested quality:



+400,000 installations / zero faults



Advanced manufacturing processes

To manufacture the best filter media, the most advanced technology is required. Our plant is equipped with state-of-the-art machinery and backed by more than 65 years of experience in the glass treatment sector. We also have a highly qualified team and ISO 14001, 9001 and 34001 quality and management certifications.

Filtration experts

We combine our extensive experience in glass with in-depth knowledge of filtration processes, resulting in a filter media with unique characteristics. Our laboratories are equipped with sophisticated control and traceability systems to guarantee maximum quality in every batch.



RENEWABLE ENERGY
SOLAR + WIND



IN-HOUSE LABORATORY
TRACEABILITY CONTROL



ROBOTIC SYSTEM
ORDER PREPARATION