

99,99% Antiviral efficacy



NEW

The new ProHealth Fiber

99,99 %* Efficacy Against Sars-Cov 2
And Many More Harmful Germs

* According to testing reports 213-0211-2

We are GreenFiber

The largest European producer of PSF made of **100% recycled PET flakes.**

100% RECYCLED

We recycle over 2 bn PET per year and produce fibers that re-enter economy in various applications.

PRODUCED IN EUROPE

Ensuring a lower carbon footprint.

TAILORMADE SOLUTIONS

We can supply polyester staple fibers as per client requests for a wide range of applications

50% LESS CO2 EMISSIONS

In our recycle process we are saving up to 50% CO2 emissions vs virgin polyester fibers

A GREEN GROUP COMPANY

We are part of Green Group Europe, and we are **committed to protecting nature from pollution contributing to a healthier living for all.**

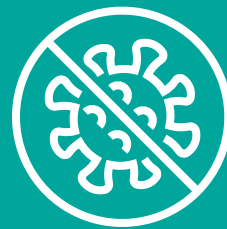
ProHealth Fiber

The SARS Cov 2 pandemic is a tough challenge that requires reliable solutions for protecting our health.

Therefore, we invested in research and innovation to develop a range of antiviral, antimicrobial, antibacterial polyester staple fiber.

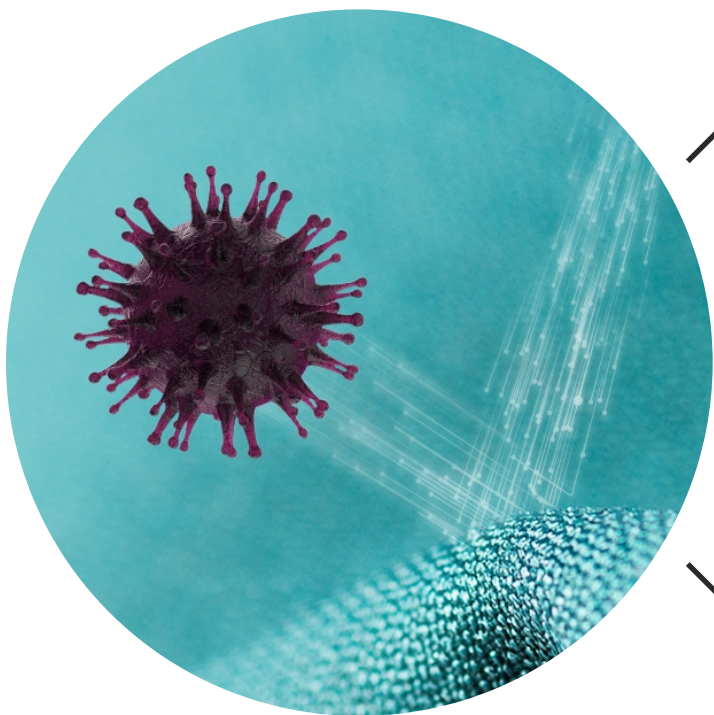


Lifelong
anti-viral
efficacy



99,99% against
SARS Cov 2 and
other viruses and
bacteria

Protects people and our homeland's health



- **100% recycled fiber**

- **Non toxic**

- **No heavy metals**

ProHealth Fiber

Applications



Automotive

- Headliners
- Seats
- Carpet backings
- Door panels



Apparel

- Interlinings
- Others according to customers' needs



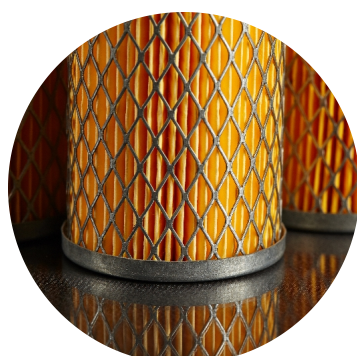
Home comfort

- Carpets
- Upholstery
- Sofa and cushion fillings

Filtration



- Air purifiers
- Cabin air
- Ventilation and air conditioning
- Vacuum cleaners and other appliances
- And others according to customers' needs



Testing and results

1. The fiber was tested for antiviral activity according ISO 18184:2019-06 "Determination of antiviral activity of textile products", of accredited external laboratory, with the following result:

PSEUDOMONAS PHAGE / PSEUDOMONAS PHAGE PHI6

Konzentration des Inokulats / Concentration of inoculum: $1,96 \times 10^8$ PFU/ml

Reduktionswerte / Reduction values:

Prüfgegenstand/ test sample		Mittelwert / average value		Partikelreduktion / Particle reduction Mv	
		PFU absolut pfu absolute	lg PFU lg pfu	lg PFU lg pfu	%
Kontrolle / control PES ¹⁾	0 h	$2,89 \times 10^7$ ²⁾	7,46	–	
	2 h	$9,06 \times 10^6$ ²⁾	6,96	–	
21.8.3.0211	2 h	≤ 40 ²⁾	$\leq 1,59$	$\geq 5,37$	99,9996

¹⁾ Kontrollmaterial (nicht antiviral aktiv)

²⁾ Anzahl Plaque-bildender Einheiten (Mittelwert von 3 Prüflingen)

¹⁾ Reference material (not antiviral active)

²⁾ Number of plaque forming units (average of 3 test pieces)



Testing and results

2. The fiber was tested for antibacterial activity according ISO 20743: 2013, of accredited external laboratory, with the following result:

Quantitative Assessment of Activity - ISO 20743:2013 (E)						
<i>E. coli</i>						
Concentration of inoculum (M_a)			$\log 2.66 \times 10^4 = 4.4$			
Inoculum Control after 24 hour incubation (M_b)			$\log 7.40 \times 10^7 = 7.9$			
Growth Value ($F = M_b - M_a$)			3.5			
Sample Description			No. Bacteria Recovered	Log Recovery (M_c)	Log Reduction (S)	% Reduction
1	Sample No. 1 6.7dtex x 64mm Black	Initial	2.26×10^4	4.4	3.5	>99.9%
		50 washes	2.65×10^4	4.4	3.5	>99.9%

Quantitative Assessment of Activity - ISO 20743:2013 (E)						
<i>K. pneumoniae</i>						
Concentration of inoculum (M_a)			$\log 4.08 \times 10^4 = 4.6$			
Inoculum Control after 24 hour incubation (M_b)			$\log 5.71 \times 10^7 = 7.8$			
Growth Value ($F = M_b - M_a$)			3.2			
Sample Description			No. Bacteria Recovered	Log Recovery (M_c)	Log Reduction (S)	% Reduction
1	Sample No. 1 6.7dtex x 64mm Black	Initial	5.03×10^2	2.7	5.1	>99.9%
		50 washes	1.25×10^3	3.1	4.7	>99.9%

Note: Samples were washed with Tide laundry detergent at Thomson Research Associates using ISO 6330:2012 (procedure 6B, designation III, warm wash/cold rinse cycles)/AATCC Test Method 135-2004 (designation III, warm wash/cold rinse cycles).



Clean nature means healthy living.

Our genuine dedication to preserving nature, along with the integrated technologies and business policies which have been adopted accross companies, **made us the first ever Gold Standard certified business** for reducing CO₂ emissions through PET recycling in Europe.

Gold Standard®

Saving annually more than
60,000t CO₂

Green|Fiber

100% recycled

50% less  emissions

Certificates

Our fibers and production processes are fully accredited by trusted standard systems.

Member of CISQ Federation



CERTIFIED MANAGEMENT SYSTEM

ISO 9001 - ISO 14001
ISO 45001

OEKO-TEX®
CONFIDENCE IN TEXTILES
STANDARD 100
06.CO.47995 HOHENSTEIN HTTI



Tested for harmful substances.
www.oeko-tex.com/standard100

Our GreenFiber products are developed under certificated Rina Simtex system ISO 9001:2015; ISO 14001:2015 and ISO 45001:2018.



Headquarters Buzau

Aleea Industriilor, no.17, 120224, Buzau, Romania

Tel: + 40 238 711 020

Fax: + 40 238 717686

E-mail: sales@greenfiber.ro

Web: www.greenfiber.ro

