



circular plastics from
fishing & farming waste

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Vision & Mission



Clean-tech scale-up founded in 2021 and located in Maastricht (NL)



Vision Statement

Healix helps breaking the plastic wave by creating a circular future for plastic waste from fishing and farming.

Mission Statement

We create circular polymers from discarded ropes and nets to reduce carbon footprint and eliminate the use of virgin plastics.

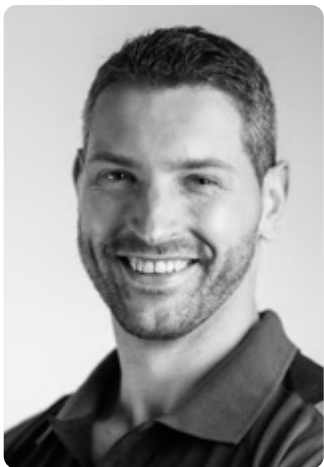
Management Team

Passionate & experienced, with a strong purpose



Marcel Alberts

Managing Director



Stefan Beckers

Operations



Jean Pierre Hendriks

Finance & Administration



Jeroen van Goor

Marketing & Sales



Ladis Kovacs

QESH & Logistics



Opened by Frans Timmermans

Vice President of the European Commission opened the plant on 10 March 2022





Problem

> 8.000.000.000 kg

More than 8 million tons of plastic enter the oceans each year. Ghost gear is the deadliest form of marine litter.



> 12.000.000.000 kg

There is even more plastic in agricultural land than in the oceans. Yearly over 12 million tons of plastic products are used in Europe.

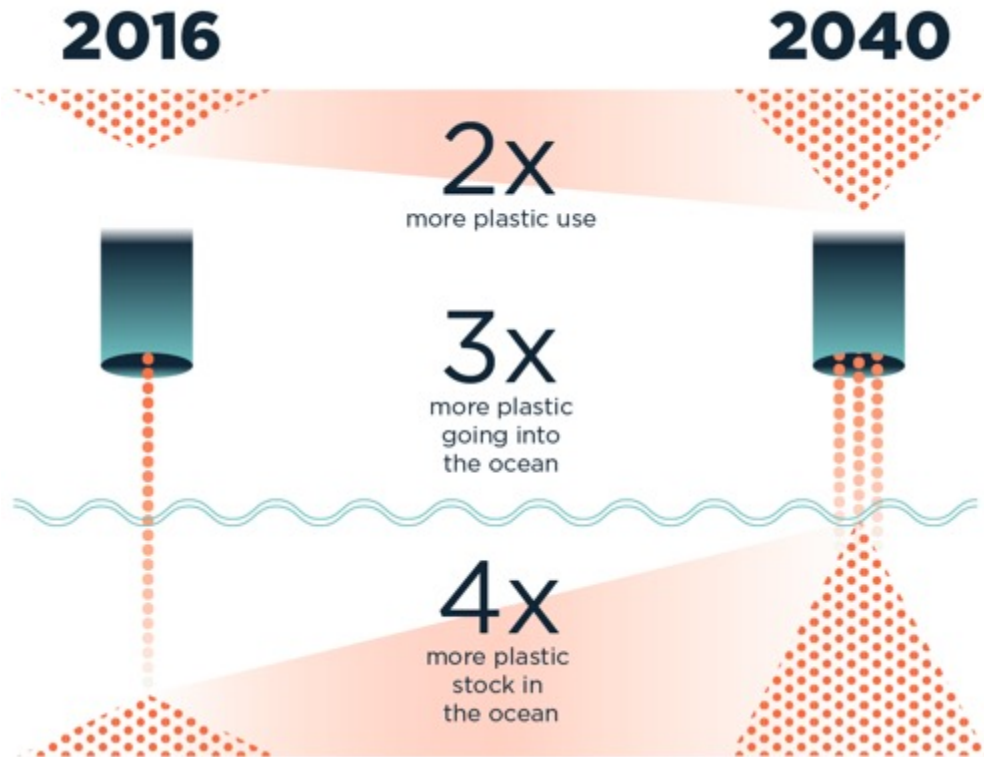
Breaking the Plastic Wave



Failure to act now will see ocean plastic stocks quadruple by 2040

This study from July 2020 shows that, if we fail to act, by 2040:

- The volume of plastic on the market will double
- The annual volume of plastic entering the ocean will almost triple, from 11mln tons in 2016 to 29 mln tons in 2040
- Ocean plastic stocks will quadruple, reaching over 600 mln tons



Solution



We transform old ropes, nets into pristine circular polymers using our patented purification technology.

By keeping plastic in the economy, we keep it out of the environment.

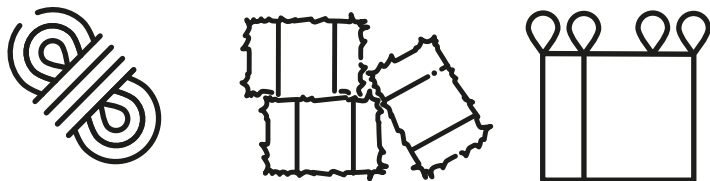
The background features several overlapping, semi-transparent teal geometric shapes. These include a large L-shaped figure in the upper left, a tilted square in the center, a circle with a smaller concentric circle inside in the lower left, and a horizontal bar-like shape at the bottom. The word "Product" is centered over the tilted square.

Product

Recycled materials

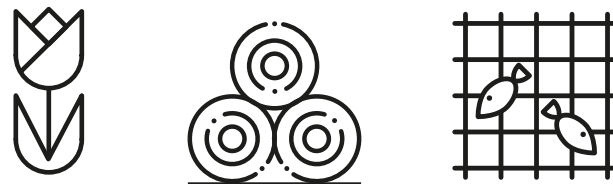


PP



MARINE ROPES / BALER TWINE /
BIG BAGS /

HDPE



TULIP NETS / NET WRAPS /
FISHING NETS /

Competitive Advantage



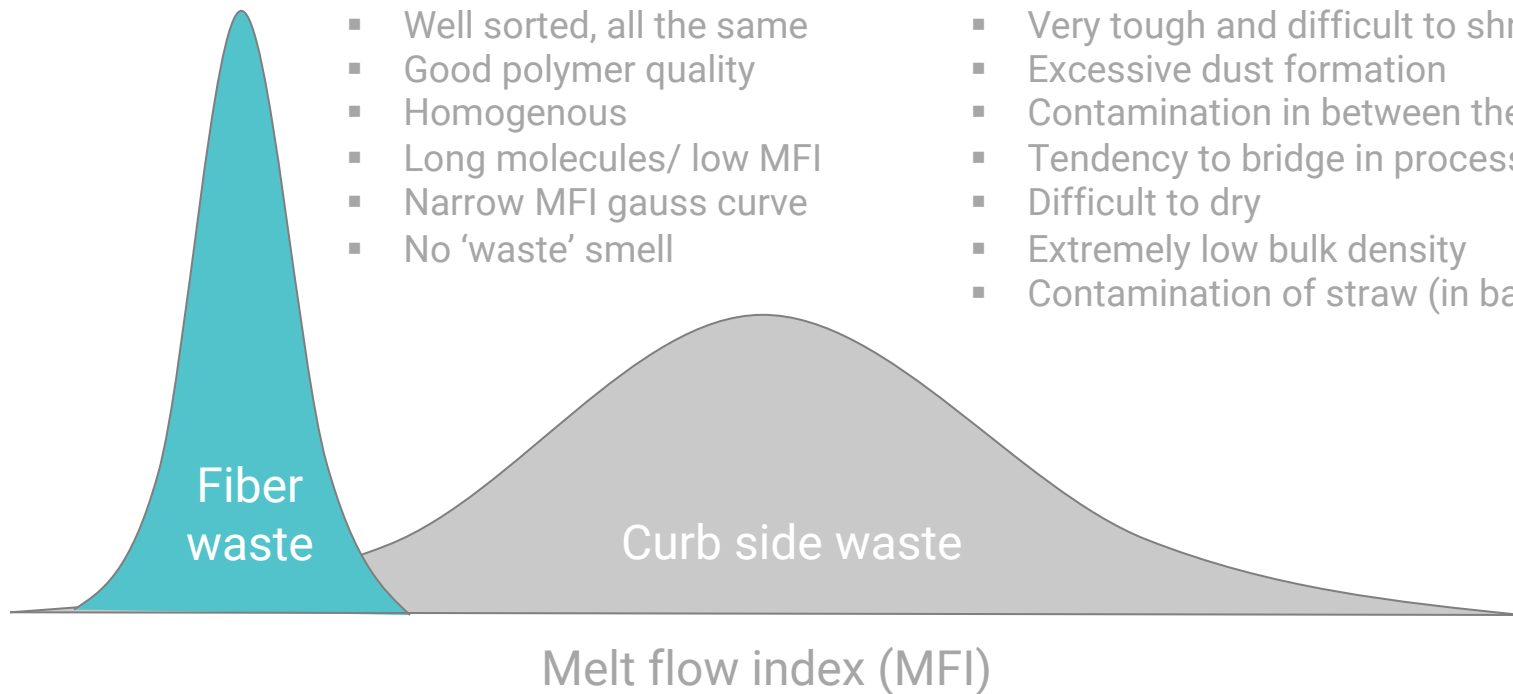
Post-consumer plastic fiber waste is a highly attractive but extremely difficult feedstock

Benefits of fiber waste

- Availability/ price
- Well sorted, all the same
- Good polymer quality
- Homogenous
- Long molecules/ low MFI
- Narrow MFI gauss curve
- No 'waste' smell

Challenges of fiber waste

- Contamination of sand, stones and steel
- Very tough and difficult to shred
- Excessive dust formation
- Contamination in between the filaments
- Tendency to bridge in process
- Difficult to dry
- Extremely low bulk density
- Contamination of straw (in baler twine)



Business Models



Selling PP & HDPE regranulate for the open and closed loop market



Closed Loop

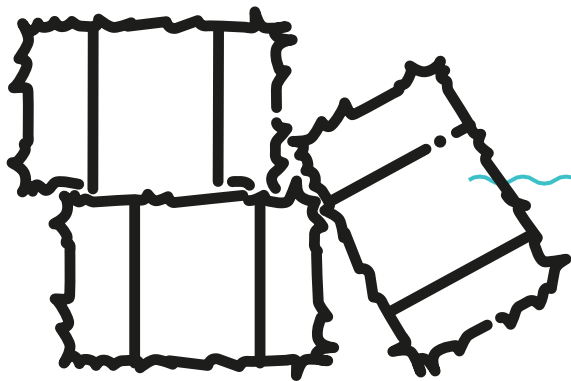
Supply regranulate made from used ropes and nets back to rope and net producers.



Open Loop

Supply regranulate made from used ropes and nets to the plastic packaging industry.

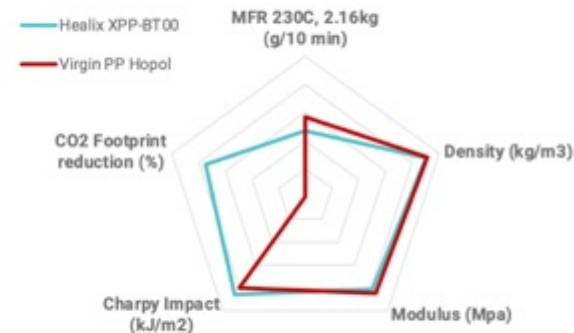
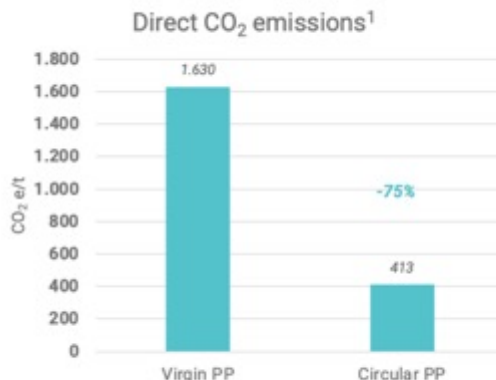
Healix® XPP-BT



- PP Homopolymer MFR-5 with excellent stiffness
- 100% recycled Post-Consumer Waste based of European origin

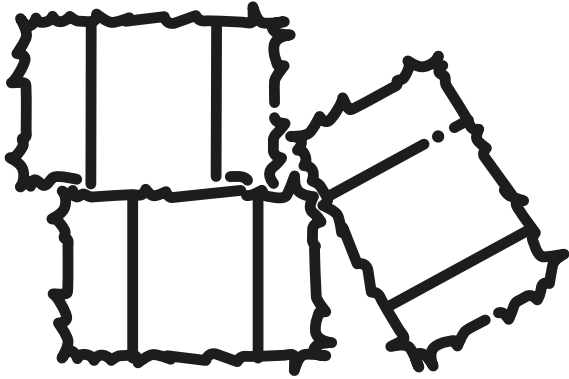
- Made from agricultural baler twine
- Suitable for thermoforming, injection moulding and fiber applications
- Colorable

Comparison with virgin PP Homopolymer

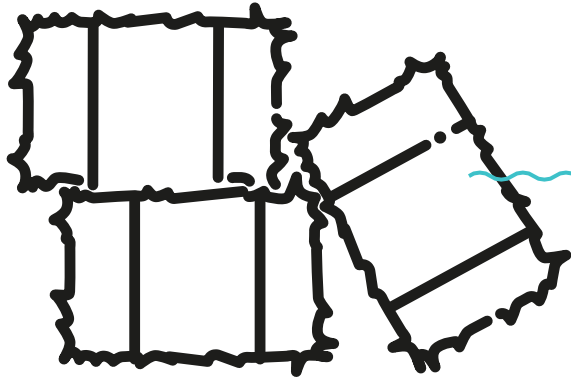


With +/- 75% CO₂ reduction, comparable mechanical results and solving a plastics waste problem, Healix® circular polymers are a more sustainable choice

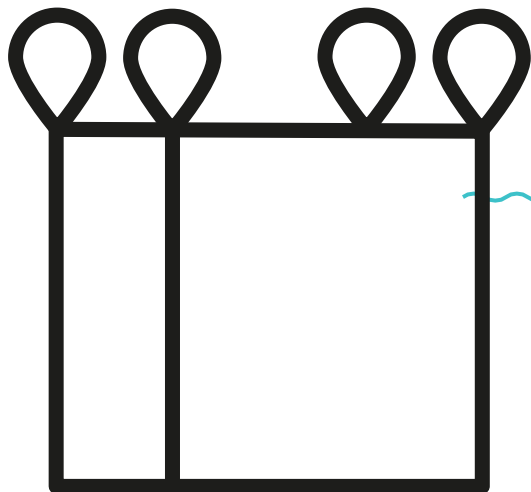
Healix® XPP-BT



XPP-BT Application example



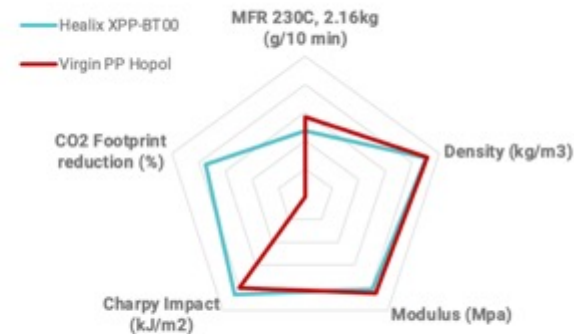
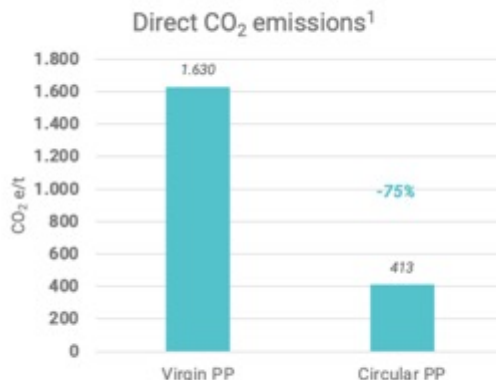
Healix® XPB-BB



- PP Homopolymer MFR-6 with excellent stiffness
- 100% recycled Post-Consumer Waste based of European origin

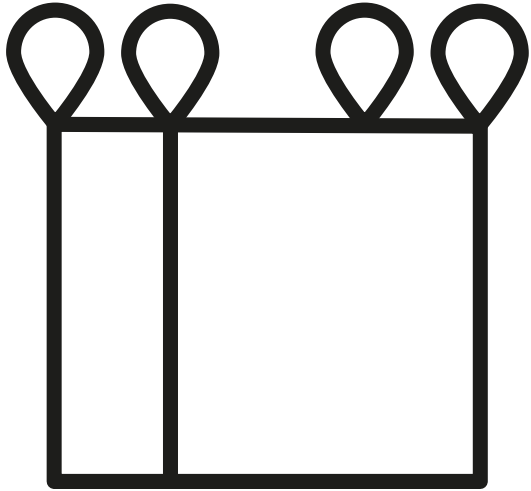
- Made from big bags
- Suitable for thermoforming, injection moulding and fiber applications
- Colorable

Comparison with virgin PP Homopolymer

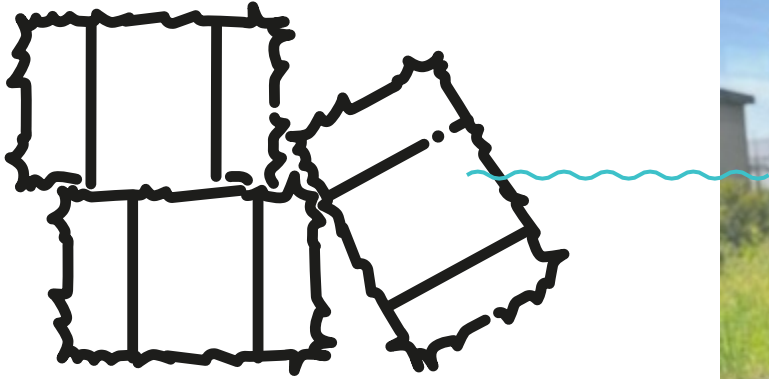


With +/- 75% CO₂ reduction, comparable mechanical results and solving a plastics waste problem, Healix ® circular polymers are a more sustainable choice

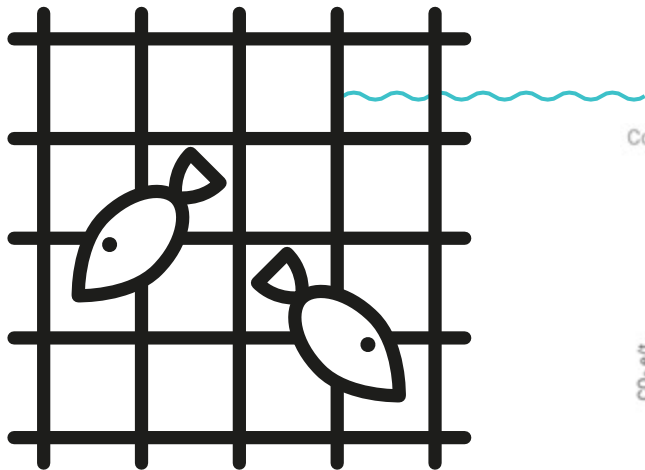
Healix® XPP-BB



XPP-BB Application examples



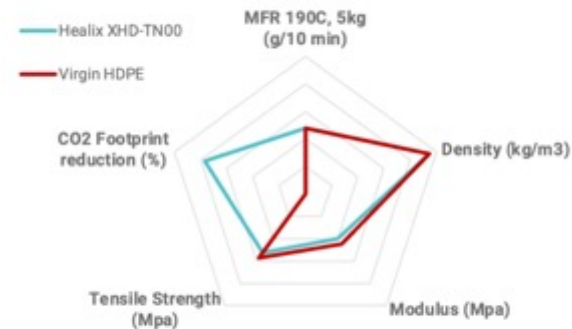
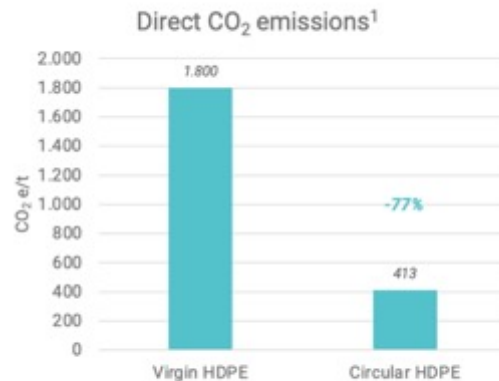
Healix® XPP-FN



- HDPE MFR-0.7 with high purity and
- low smell
- 100% recycled Post-Consumer Waste

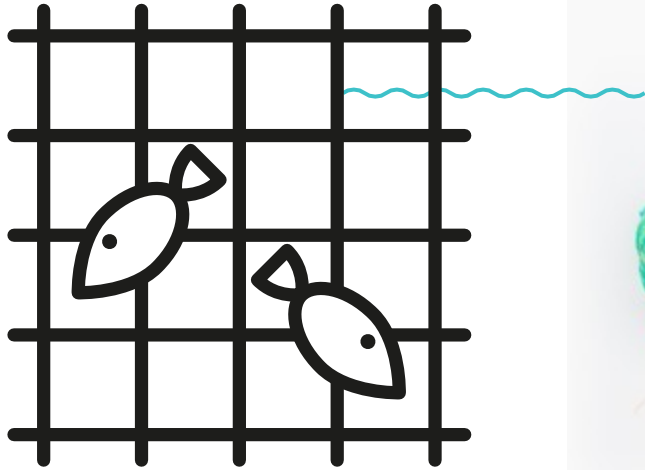
- Made from trawling nets
- Suitable for blow moulding, injection moulding and fiber applications
- Colorable

Comparison with virgin HDPE

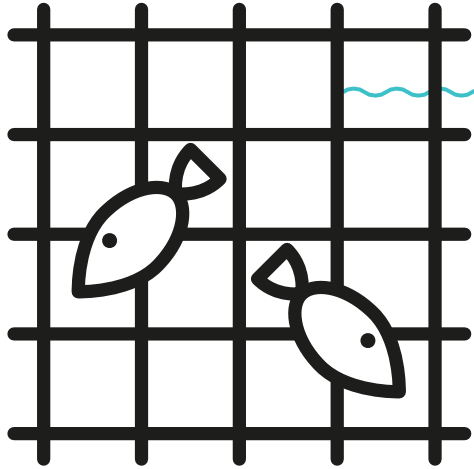


With +/- 77% CO₂ reduction, comparable mechanical results and solving a plastics waste problem, Healix® circular polymers are the most sustainable choice

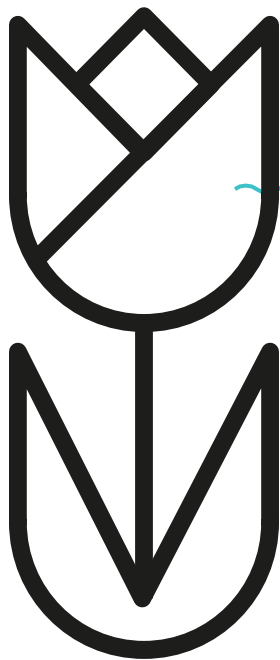
Healix® XPP-FN



XHD-FN Application example



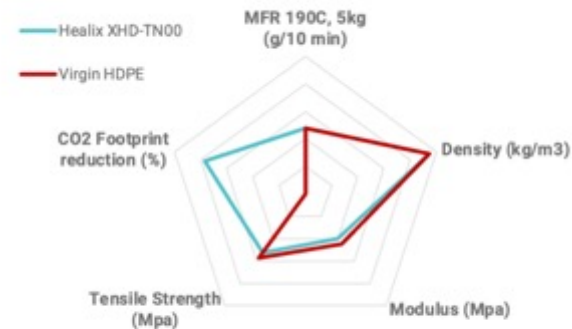
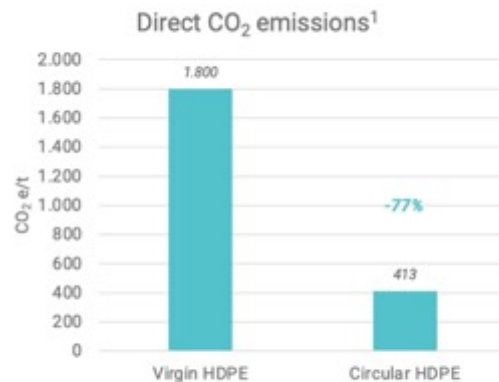
Healix® XHD-TN



- HDPE MFR-0.7 with high purity and
- low smell
- 100% recycled Post-Consumer Waste based of European origin

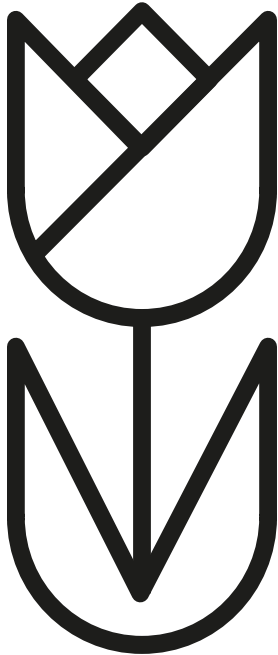
- Made from agricultural nets
- Suitable for blow moulding, injection moulding and fiber applications
- Colorable

Comparison with virgin HDPE

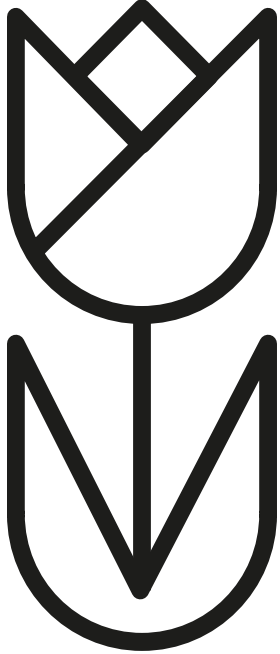


With +/- 77% CO₂ reduction, comparable mechanical results and solving a plastics waste problem, Healix® circular polymers are the most sustainable choice

Healix® XHD-TN



XHD-TN Application Example



Value Proposition

What's in it for the customer



REDUCE fossil resources

BE READY for future governmental policy (taxes, incentives)
on the use of post-consumer plastics into applications

HELP SOLVE the plastic problem

SAVE >75% CO2 emissions

CREATE a positive company image

Post-consumer waste = recycling
Post-industrial = good manufacturing

HEALIX IS PROUD PARTNER OF



Step into a greener world
with our carbon neutral
compounds

beologic.com



Your partner for the
recycled plastic revolution

aion.eco



Customized plastic sheets
with minimum 30% PCR
inside

epsotech.com



Circular FIBC Solutions

lcpackaging.com



We develop & scale
technologies
to rid the oceans of plastic.

theoceancleanup.com



Baling for
a better tomorrow

tama.co.il

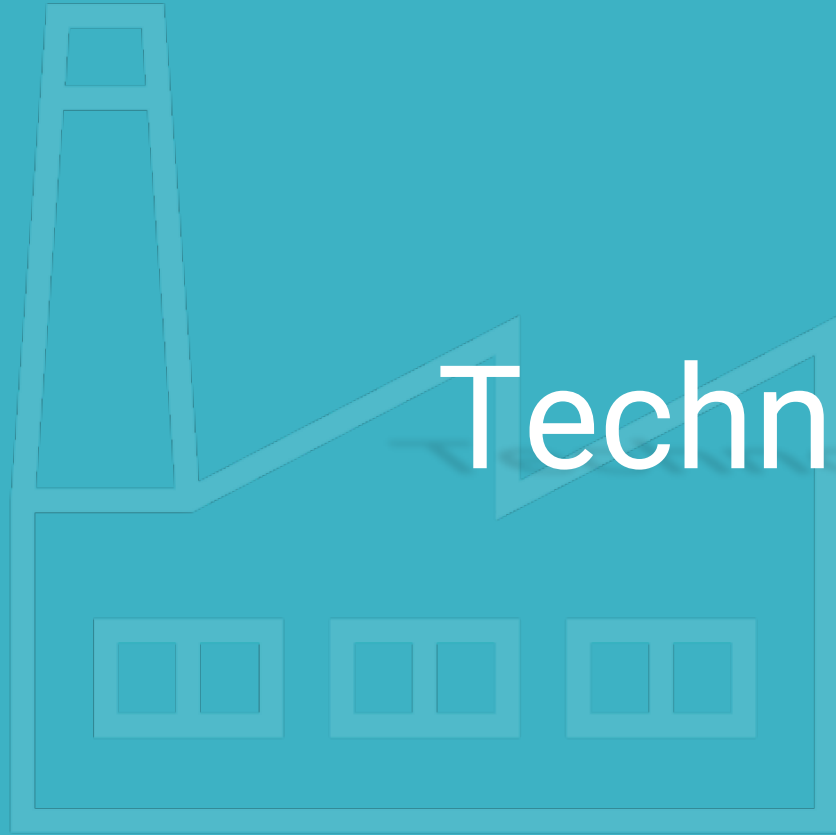


Schoeller Allibert

Efficient by Design
∞
Circular by Nature

schoelleraillibert.com





Technology

Healix Process



6.000 tons recycling capacity for PP and HDPE plastic fiber waste



Chopping



Cleaning



Compounding





WE DO NOT INHERIT
THE EARTH FROM
OUR ANCESTORS
**WE BORROW IT
FROM OUR CHILDREN.**



 **healix**