

Turning textile waste into polyester fiber





Taking
circularity
to the
next level



Every day, tons of pre-consumer textile go to waste, contributing to the negative impact of the global textile industry. To change that, we are introducing Fiberpartner ORBIT.

Fiberpartner ORBIT is our new circular fiber solution, made from pre-consumer textile waste turned into polyester fiber.

One production's waste, another's raw material

Collecting pre-consumer textile waste, the fabric cut-offs are mixed, melted, and extruded into a new recycled polyester fiber made entirely from waste. This approach reduces clothing production waste while providing our customers with fiber solutions for both cost-effective fillings and high performance polyester.

Fiberpartner ORBIT is currently available in two versions

Fiberpartner ORBIT

High recyclability, low price

Fiberpartner ORBIT is a brown or black polyester fiber made from colored textile waste that is mixed in the process. It has an competitive price. This makes it ideal for fillings, furniture, cushions, automotive interiors and much more.



Fiberpartner ORBIT Plus

A strong circular alternative

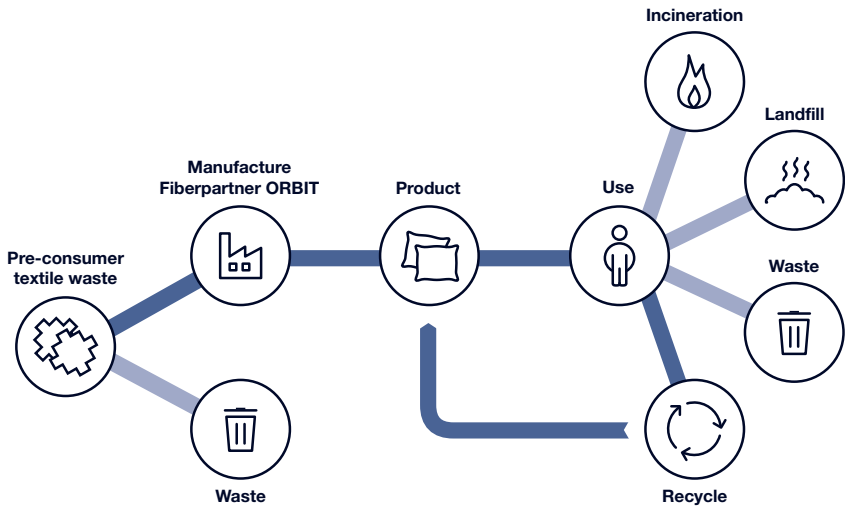
Fiberpartner ORBIT Plus is our premium recycled polyester fiber made from textile waste. It maintains its white colour and has a high level of quality in terms of strength and stretchability. This makes it a great alternative to traditional recycled polyester made from plastic bottles and a smart choice for applications such as bedding, clothing, and automotive products.

Fiberpartner ORBIT life cycle

– a step toward a cleaner future

From waste to value, Fiberpartner ORBIT transforms pre-consumer textile waste into high-quality polyester fibers, redefining circularity in the textile industry. Fiberpartner ORBIT closes the loop,

minimizing waste and maximizing value for a more sustainable future. Join us in transforming waste into opportunity and shaping a cleaner, greener tomorrow.



This is just the beginning

While Fiberpartner ORBIT is based on the principle of circularity, we still want to ensure that we minimize the amount of microplastics and fiber waste in nature. That is why we are planning to introduce Fiberpartner ORBIT Bio. In collaboration with ECO-LOGIC® we add an organic additive, Eco-One®, that enhances the biodegradation process through a series of chemical and biological processes when disposed of in a biologically active landfill, wastewater, ocean water, or soil.

FAQs



What is pre-consumer textile waste?

Pre-consumer textile waste includes fabric scraps, cut-offs, and other remnants generated during textile production that would otherwise go to waste.



How cost-competitive is Fiberpartner ORBIT?

Fiberpartner ORBIT is slightly cheaper than traditional recycled polyester, making it an economical choice for manufacturers.



How is Fiberpartner ORBIT different from traditional recycled polyester?

Unlike traditional recycled polyester made from PET bottles, Fiberpartner ORBIT is made entirely from pre-consumer textile waste, offering a more circular solution.



Can Fiberpartner ORBIT fibers be used for food-related products?

Currently, Fiberpartner ORBIT is designed for non-food applications like textiles and furniture. ORBIT Plus can be produced with FDA approval.



What are the main applications of Fiberpartner ORBIT?

Fiberpartner ORBIT is suitable for cost-effective fillings, furniture, cushions, and automobile interiors, while Fiberpartner ORBIT Plus is ideal for bedding, clothing, and high-performance textiles.



How does the recycling process work?

For Fiberpartner ORBIT textile waste is collected, sorted, melted, and extruded into recycled polyester fibers. ORBIT Plus is produced through a depolymerization process that transforms textile waste into polyester with properties similar to virgin polyester.



Is Fiberpartner ORBIT certified?

Yes, it meets recognized industry standards and certifications like REACH, GRS, OEKO-TEX Class 1, ensuring safety and environmentally friendly production.



What are the environmental benefits of Fiberpartner ORBIT?

Fiberpartner ORBIT reduces textile waste in landfills, minimizes reliance on virgin and bottle grade polyester, and cuts down on greenhouse gas emissions and energy usage.



What is the difference between Fiberpartner ORBIT and Fiberpartner ORBIT Bio?

Fiberpartner ORBIT focuses on high recyclability, while Fiberpartner ORBIT Bio incorporates an Eco-One® technology, to reduce the long term microplastic pollution impact.



How does this support circularity?

Fiberpartner ORBIT closes the loop by transforming textile waste into new fibers, reducing raw material extraction and supporting a responsible production cycle. Recycled textiles save resources like water and energy and reduce CO₂ emissions compared to producing new textiles. They also help reduce textile waste in landfills.

We believe in the power of Partnerships

Working with us you get more than a fiber provider. You get a trusted advisor with big ambitions and deep knowledge. We give you access to newest responsible fiber solutions in a partnership where mutual commitment leads to great results and positive change.



Fiberpartner is a Danish advisor and supplier of textile fibers. We understand the urgent need to transform polyester production and consumption for a more sustainable future. With our 40 years of experience, we're committed to driving change through strategic partnerships and innovative technology and solutions, including recycled and biodegradable polyester solutions. Join us in reshaping the polyester industry for a better tomorrow.



Feel free to contact us:
fiberpartner.com
Tel. +45 79 44 77 22

