



RECYCLING AT TREVIRA



**SUSTAINABLE
INNOVATIVE
HIGH-QUALITY
RESPONSIBLE**

Sustainable in so many ways: Recycling at Trevira



The recycling of precious raw materials and waste products today plays an important role in a sustainable economy, and expresses our commitment to our environment. Trevira GmbH has a number of different strategies to meet this commitment while also ensuring we can continue to offer our customers products that in quality and performance need not fear comparison with products made from primary materials. Protecting the environment while adding value - this dual commitment forms the basis of Trevira's sustainability policy. Certain products manufactured from sustainable Trevira fibres and filaments may be eligible for our SINFINECO label. In future, textiles made from recycled, flame retardant Trevira products will be eligible to carry a version of the Trevira CS brand.



Pre-Consumer Recycling: 1A quality recycled combed tops



When tow is manufactured as part of the fibre production process, a small proportion of the tow will generally be found to be unsuitable for conversion and then has to be cut out of the overall product batch. However, rather than selling this on as low-value waste, it is cut up, pressed into bales and then carded or combed by one of our partners before being turned into combed tops, a top-quality product. This product has been awarded GRS (Global Recycled Standard) certification. As with converter tow from new raw materials, this recycled sliver is mostly deployed in polyester-wool blends (55% PET, 45% wool) used primarily for corporate wear and uniforms.

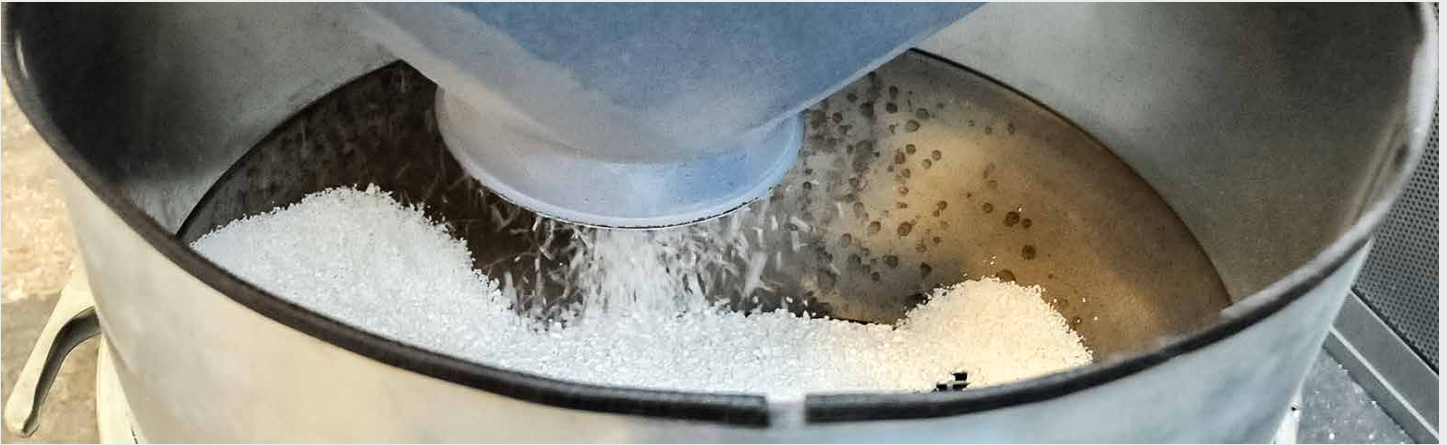


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Pre-Consumer Recycling: Feedstock recycling of waste products



When polyester fibres and filaments are manufactured, the process inevitably results in some residual waste. But this residual waste is actually a precious resource that can be recycled for further use. To ensure that we work in a way that consumes the least possible resources, we aim to feed our residual waste back into the production process wherever possible. Our agglomeration plant in Bobingen takes a variety of residual waste from our manufacturing sites and those of our customers, and transforms it into serviceable raw materials.



The agglomeration facility is able to process both standard fibres and those with special functionalities such as flame retardancy or pill resistance, creating new primary materials. These processed recyclates retain the same characteristics as the original products and are equally high-performing. They are deployed in our fibre and filament spinning mills to make new, high-quality products.

An application for GRS certification is currently pending. In future, textiles made from recyclates with flame retardant functionality will be eligible to carry the Trevira CS eco brand subject to application.

Post-Consumer Recycling: Filament yarns and fibres from recycled PET bottles



The recycling of PET bottles is an important contribution to environmental sustainability. Trevira processes bottle flake regranulate into filament yarns and fibres.

Filament yarns from recycled PET bottles are available at Trevira as undyed and spun-dyed flat and textured yarns in normal polyester in various colours and titres. GRS certification has already been obtained for these products.



Alongside technical applications, they are used in the automotive and apparel industries. In addition, we are also planning and in some cases already delivering numerous exciting developments with the recyclates. Filament yarns from recycled PET bottles will shortly be available in a flame retardant version. Staple fibres from regranulate are also currently in the development phase and will be available soon. Our portfolio of fibres from recycled materials will contain standard fibres but also fibres with flame retardant or low-pill functionalities. An application for GRS certification is pending. In future, textiles made from flame retardant recyclates will be eligible for the Trevira CS eco brand, subject to application.

OUR QUALITY IS YOUR PEACE OF MIND

Trevira is an important European chemical fibre manufacturer. Uniquely in Europe, for most of its products Trevira is able to provide the entire textiles value chain from polymer to fibres and textured filament yarns. Our customers benefit from our extensive range of products and services along with exceptional expertise in research and development. As a Trevira customer, you can be sure of uncompromising quality and market success.

Trevira operates a management system for quality and environmental protection that meets the requirements of industry standards ISO 9001 and ISO 14001. Our energy management system is certified under ISO 50001. Trevira has also been awarded the “Systematic Safety” seal of approval for its systematic and effective occupational health and safety management. The award also certifies that Trevira fully meets the requirements of industry standard ISO 45001:2018.



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