



SINFINECO

**RECYCLING
AT TREVIRA**



**SUSTAINABLE
INNOVATIVE HIGH-QUALITY
RESPONSIBLE**



SUSTAINABLE IN MANY DIFFERENT WAYS: RECYCLING AT TREVIRA

Reusing valuable raw materials and waste products is nowadays an important element of sustainable economic activity. It represents an expression of our commitment to the environment. Trevira GmbH adopts a variety of approaches to meet these demands, offering customers recycled products which are in terms of quality and performance as good as the original material. To preserve the environment while delivering value in its operations – these are the criteria for the sustainability concept of Trevira.

Textiles containing sustainable Trevira products may bear the SINFINECO label.

RESPONSIBLE CONSERVING RESOURCES: FEEDSTOCK RECYCLING OF RESIDUAL MATERIALS

In the manufacture of polyester fibres and filaments residual materials are produced, depending on the processes involved. These are reusable materials. In order to ensure that material is used in a manner that consumes the least possible resources, we set ourselves the standard requirement to feed back residual materials wherever possible into the production process. So, we operate in Bobingen an agglomeration plant that recovers serviceable primary material from residual materials from our manufacturing sites. The recyclates are then fed back to our fibre and filament spinning mills, to be made into top-quality products.



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PRESERVING VALUE: RECYCLED PRODUCTS IN 1A QUALITY

In fibre production, there occurs in the manufacture of tow a small proportion of tow that cannot be used for converting and therefore has to be cut out. This material is not sold as waste, reduced in value, rather the tow is cut up, pressed into bales and then carded / combed by a partner, subsequently made up once again as tow into 1A product. The GRS certification (Global Recycled Standard) is requested for this. As with converter tow from new material, the recycled tow is mostly incorporated into polyester wool blends (55 % PET / 45 % wool), which are used primarily in corporate wear and uniforms.

POST-CONSUMER RECYCLING: FILAMENT YARNS FROM RECYCLED PET BOTTLES

Working together with the parent company Indorama opens up new opportunities for Trevira to supply recycled products. Indorama manufactures very high quality recycled chips from PET bottles. Since only transparent PET bottles are used in Thailand, the flakes and chips are of a particularly good and very uniform quality. The recycled chips, fibres and filaments from Indorama bear the certificates GRS (Global Recycled Standard) and RCS-NL (Recycled Claim Standard). Trevira processes the regranulate made by Indorama from bottle flakes into filament yarns consisting of 100 % recycled material. The filament yarns are available in titres 167 and 76 dtex normal polyester. Alongside technical applications, they are used in the automotive and apparel sectors. In addition, many promising developments with the recycled material are on their way.





QUALITY THAT ENSURES CERTAINTY

Trevira is an important European manufacturer of man-made fibres and at the same time the only one that offers, for the greater part of its products, the complete range from polymer to fibres and textured filament yarns. The special expertise and competence of Trevira research, product development and services guarantee quality without compromise to our customers and success in the market.

Trevira maintains a management system for protecting quality and the environment to ISO 9001 and 14001 as well as an energy management system to ISO 50001.

Trevira

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