



ANZEIGE

Recycelte Polyesterfasern für Nonwovens und Heimtextilien (S.14)  
Recycled polyester fibers for nonwovens and household textiles (p.15)



Intelligente Funktionalisierung von Vliesstoffen  
Intelligent functionalization of nonwovens



Flachsvliese  
Flax nonwovens



Vielseitige Einblasttechnik  
Versatile injection molding technology

# Recycled polyester fibers for nonwovens and household textiles

In times of climate change and global warming, environmental awareness and relieving pressure on the environment are becoming increasingly important.

The voluntary EU Ecolabel, introduced in 1992 by EU Regulation EEC 880/92, identifies products and services that have a lower environmental impact than comparable products.

## The EU Ecolabel for new PreCo fibers

The aim of the EU Ecolabel is to develop products and services with a lower environmental impact. This should make it easier for consumers to identify environmentally friendly products at a glance. The catalogue of criteria for obtaining the label is continuously revised every three to five years. It is recognized in all 28 member states of the EU, as well as Norway, Iceland, Switzerland, and Turkey. Fiber suppliers are also increasingly focusing on the trend and offering eco-certified products – including Cetex-Rheinfaser GmbH with its new PreCo fibers.

CEO Malte Smolna is proudly presenting his certified fibers for the first time at the 33rd Hof Nonwoven Days at the beginning of November 2018. The crowd at the stand is large. “We have been dealing with regenerated fibers for a very long time, but previously exclusively those made from pure industrial waste,” says the CEO. “Now we want to improve our customers’ understanding that we work with fibers that reduce environmental pollution by using both industrial PES waste and post-consumer waste to make fibers. The step into pollution is thus not even taken, as the concept of recycling is immediately incorporated into the fiber

transformation process. This is why we have opted for the well-known EU Ecolabel. It ensures that it must be clearly documented what degree of recycling was used for which raw materials. Virtually predestined for polyester. It helps the consumer to recognize later in the final application which sustainable product was used.”

## Certified hollow and staple fibers

PreCo fibers are mainly produced from recycled PET bottles and, where appropriate, recycled secondary products from the polyester industry. The reuse of used PET raw materials makes the new PreCo articles sustainable, environmentally friendly products. In this case, the raw materials are neither recycled to generate emissions nor do they pollute the environment in the form of plastics in the ocean or landscape. Due to these guaranteed and traceable properties, PreCoPET® and PreCoFILL® have been awarded the EU Ecolabel. Cetex-Rheinfaser distributes polyester staple fibers for the nonwovens industry under the trademarked name PreCoPET®. Polyester hollow fibers, PreCoFILL®, are on the market for the household textile industry.

PreCoPET® – polyester recycled solid fiber

- ▶ Fineness: 4.4 dtex - 28 dtex
- ▶ Length 32-100 mm
- ▶ Post-consumer and industrial waste PET raw materials
- ▶ White and colored

- ▶ Hygienic qualities
  - ▶ Certified with EU Ecolabel
  - ▶ Applications: needle-punched nonwovens/felt, chemical bonding, thermal bonding
- PreCoFILL® – polyester recycled hollow fiber
- ▶ Fineness 6.7 dtex-17 dtex
  - ▶ Length 32-64 mm
  - ▶ HOLLOW (H)
  - ▶ HOLLOW siliconized (HS)
  - ▶ HOLLOW conjugated (HC) – crimping: mechanical
  - ▶ HOLLOW conjugated siliconized (HCS) – crimping: mechanical
  - ▶ Slick finish (flame retardant/BS 5852)
  - ▶ Certified with EU Ecolabel
  - ▶ Applications: Filling industry, needle-punched nonwovens/felt, chemical bonding, thermal bonding

“More and more customers are wanting fibers made from recycled material, mostly shredded and recycled plastic bottles,” Smolna describes. As a result, sales of certified polyester fibers are expected to grow to 10,000 metric tons per year. |

## INFO

Cetex-Rheinfaser GmbH was founded in 1965 and has decades of experience in trading mainly polyester and viscose fibers for the textile and nonwovens industry. The largest warehouse for polyester fibers in Europe is located in Ganderkesee near Bremen. 35,000-40,000 metric tons of polyester fibers are handled annually. Finenesses ranging from 0.6 to 130 dtex are available in the overall product range for polyester and viscose. The ISO 9001-certified company supplies 80 percent to the nonwovens industry.



Quelle/Source: Cetex-Rheinfaser GmbH (2)