

# Revolve™



## Questions & Answers

[www.texwipe.com/revolve](http://www.texwipe.com/revolve)

 **Texwipe®**  
An ITW Company

## Why is Revolve™ considered an innovation for the cleanroom industry?

The **Revolve™** products are the first cleanroom products made from upcycled polyester.

The manufacturing of polyester wipers has always been based on virgin polyester. The **Revolve™** product line is new and different, using upcycled post-consumer water bottles. Texwipe, with more than 55 years of experience in wiper manufacturing, has achieved the same level of performance for the **Revolve™** line of products as compared to products made from virgin polyester. Revolve's cleanliness, sorption rate and capacity, particles and fibers, ions and non-volatile residues are comparable to products made from virgin polyester.

Texwipe has always been an innovation leader for cleanroom industry: Texwipe was the first manufacturer to introduce the cleanroom wiper to the world and the first semi- and fully automated wiper manufacturing processes that are considered state-of-the-art in the industry.



## Is the Revolve™ line of products made from recycled wipers?

No. The **Revolve™** products are made from post-consumer water bottles. The plastic bottles are cleaned, ground and melted to make a polyester yarn that is used in the regular knitting process to make fabric used to form wipers and mop covers.

## Since Revolve™ is made from the upcycled bottles, is the material clean (from a microbial standpoint)?

There are several steps in the manufacturing process that makes **Revolve™** a clean product.

The collected bottles are sorted, ground, washed at 194°F (90°C), repolymerized and extruded at 550°F into yarn. The temperature exposure during these steps ensures that all possible microbes are killed.

During Texwipe's manufacturing process, the fabric is further processed to remove all other contaminants.

Lastly, if you need a sterile product for the most critical sterile applications, **Revolve™** offers a range of sterile **Revolve™** products that are gamma-irradiated and validated to a sterility assurance level of  $10^{-6}$  according to the AAMI guidelines.

## Does Revolve™ perform the same as the virgin polyester?

At Texwipe, we measure the product performance by absorbency (sorption rate and sorption capacity), particles and fibers, ions, and nonvolatile residue.

Tests on **Revolve™** product showed that the performance characteristics are similar to our wipers made from virgin polyester and conform to the industry's standards for virgin polyester wipers.



## Can Revolve™ be used in the most critical and demanding cleanroom applications?

Yes. The **Revolve™** product line uses clean, upcycled polyester yarn to make wipers and mops that meet industry standards for cleanliness and performance. Use these products just like you would use any other wiper or mop into your cleanroom or controlled environment – from ISO Class 3 – 7, or Class 1 – 10,000, or EU Grade A – D and below.

## Can the wiper be recycled after use?

No. The used wipers should be discarded according to your facility's SOP, and local, State and Federal guidelines and regulations.

## What makes Revolve™ a sustainable product?

The **Revolve™** line of products is made using upcycled post-consumer water bottles. By using the **Revolve™** products, your company will participate in the reuse of the polyester polymer, saving the number of post-consumer bottles indicated on each **Revolve™** product bag from the landfill and making our planet cleaner.

## Why does it take so many water bottles to make a bag of Revolve™ wipers?

Every bag of **Revolve™** product indicates the number of bottles needed to make it. For example, 47 water bottles are required to make one bag of TX1709 wipers. The number of bottles may seem large but that is because there is not much polyester in a bottle to be made into yarn.

Also, Texwipe does not add any other types of yarn into the fabric.



Number of bottles used to make this bag of wipers.

For Technical Data Sheet [click here](#).

For TechNote [click here](#).

For more information, visit [www.texwipe.com/revolve](http://www.texwipe.com/revolve)

*Join us in an effort to  
preserve our planet for  
future generations!  
Small steps make a  
big difference.*

