



High-performance solutions that guarantee clean results

TWE Group supplies customized solutions for all air filtration application areas based on high-quality, high-tech nonwovens. Our products provide a safe filter action and durable performance with best results in the areas of ventilation and air conditioning, painting and transportation.

Product features like weight, size, color, elasticity and formability are flexible and can be adjusted

to your requirements – for custom-made solutions.

Whenever something is filtered in an air-guided process, our nonwovens are used. They are already used in countless applications and thanks to the continuous improvement program with TWE engineers, your highest performance demands can be achieved.



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Pure safety: TWE's contribution to clean air



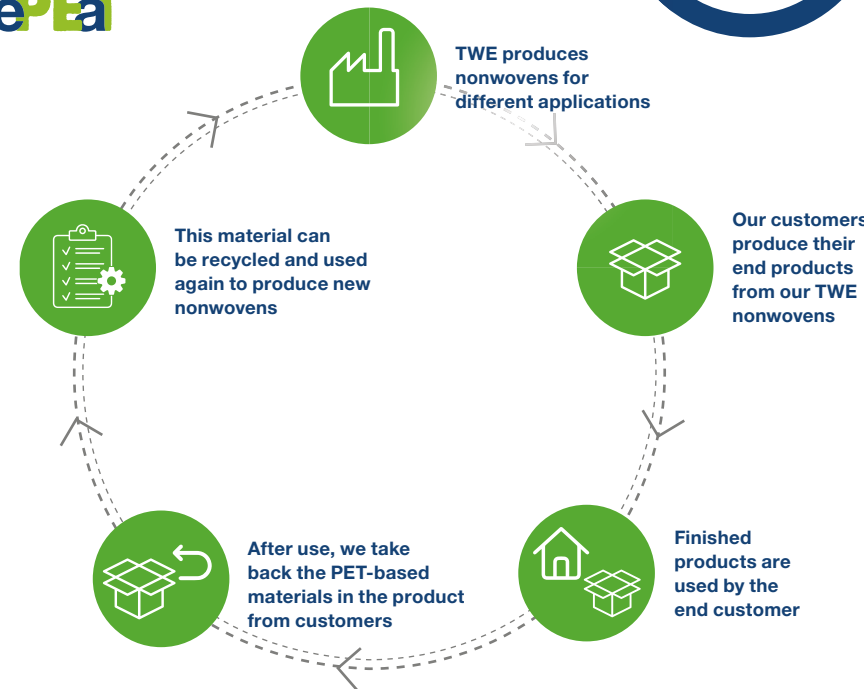


Discover our sustainable solutions with our product line rePEaT®

rePEaT® - CIRCULAR

rePEaT Circular refers to products which are manufactured from an increased amount of recycled fibers or to the return of 100% polyester-based waste from our customers.

The waste is processed into granules, from which polyester fibers are created again for the production of our nonwovens. This allows us to offer a complete cradle-to-cradle solution.



Discover our new sustainable product line rePEaT

The possible uses for recycled polyester vary depending on the production technology.

- VIRGIN FIBERS
- rePEaT FIBERS



rePEaT® - SOCIAL

Our rePEaT Social products are made from plastic which has been collected by people in developing countries, and who can earn a living in this way.

By doing so we are supporting plasticbank®, which pays collectors a premium for the materials they collect. This enables them to cover their basic needs such as food, school fees and health insurance. The plastic collected consists mainly of PET bottles.

It is reintroduced into the global supply chain under the name Social Plastic® in the form of PET flakes. Once processed into polyester staple

fibers they are used as feedstock for the production of our mechanically or thermally bonded nonwovens.

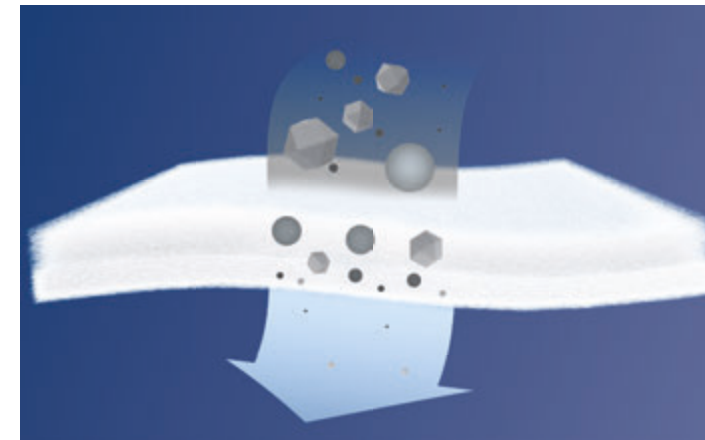


Processed social plastic in TWE products since 2021:

Number of recycled PET bottles in TWE products:



Airweb



The Airweb products of the TWE Group provide clean air in public buildings, airports, department stores, hospitals and even in your home. Processed as bag filters, filter cartridges and filter mats our media offers high efficiency and durability.

TWE air filters not only protect people and the environment; they also protect engines of all kinds against pollution and premature wear.

Limited space and large filter surface needed?

Opt then for our pleatable nonwovens, which, thanks to high-quality production are dimensionally stable and particularly sturdy and resilient. They filter efficiently and reliably. We develop and produce nonwovens for all air-guided processes.



Discover the versatility of your filtration nonwovens

HVAC

Have your end product classified in our test facility according to ISO 16890. We test our nonwovens for heating systems, ventilation systems and air conditioning systems during the development process, so that you can trust our quality and an optimal room climate with maximum safety for the devices is ensured.



Your benefits:

- High dust storage capacity
- Slow build-up of pressure drop
- Excellent energy efficiency class
- Long life of the filters
- Recyclable
- Flame retardant



Transport

TWE nonwovens for vehicles and trains were developed to protect the engine compartment of cars and to enable the coalescence effect in truck braking systems. They are also fire-proof certified according to DIN EN 45545 for the air conditioning systems in trains.



Your benefits:

- High dust storage capacity
- Long life of the filters
- Recyclable
- Mechanically bond without adhesives
- Well formable and pleatable
- Tested to EN45545 and DIN5510

Spray booths

TWE's unique two-layer nonwovens produce clean air with laminar flow as ceiling-filters and guarantee clean results in all deposition processes for high production reliability.



Your benefits:

- Perfect painting
- No particle migration
- Service through networking with sales partners
- Printing according to customer requirements, your logo on our filters

Domestic

Our nonwovens for domestic appliances offer protection for the motors while they filter the intake air. They are suitable for achieving IPE class certification and even provide protection against pollen with Hepa H10 & Ulpa H14 filters. In vacuum cleaners they ensure a maximum suction power even with a full filter bag.



Your benefits:

- High dirt and fat storage capacity
- Extends the lifetime
- Customized versions
- Easily weldable and pleatable
- Resistant to high temperatures