

Microfiltration

Microporous composite membranes for medical and industrial filtration and venting

Product Features

Video: Use of microfiltration membranes in the medical field

Protected Performance with SEFAR PURETEX®

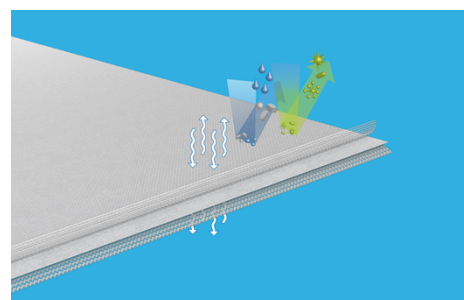
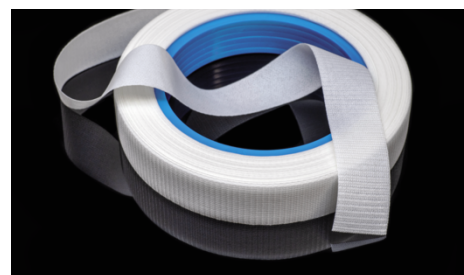
Fast and safe processes, robustness when in use, and ease of processing are all requirements that microporous membranes for filtration and venting have to meet. This is often a major challenge for the conventional sensitive membranes used. Manufacturers face technical challenges to ensure the integrity of the final product during the process and manufacturing while increasing the yield.

The patented SEFAR PURETEX® technology is characterized by embedding the membrane in technical fabrics for protection and stabilization. The use of fibers that are just nanometers in diameter literally results in billions of homogeneous pores from endless, non-shedding nanofibers that enable unparalleled flow rates in venting and liquid filtration applications. Depending on the application, the surface can be finished customer specific, so that optimized hydrophilic or hydrophobic and oleophobic properties can be achieved.

Venting and air filtration

High air or steam exchange rates, high filter efficiency, unrestricted functionality of the membrane when in contact with a wide range of different liquids, and safe and easy processability are basic requirements in the area of venting and air filtration.

- Exceptional air and steam permeability combined with a high water column
- Best possible combination of air permeability and particle retention
- Narrow pore size distribution, ensuring the most effective filtration process
- Conformity with REACH and RoHS
- Suitable for medical applications



DOWNLOADS

Brochure: Sefar Puretex Composite Membrane (PDF 2421 kb)

Whitepaper Composite membrane: Protected performance for medical applications (PDF 214 kb)

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Liquid filtration

SEFAR PURETEX® comes with a wide range of advantages: a high filtration performance at low counter pressure, a high particle retention, easy processability, and robustness against mechanical stress.

- Exceptional, high flow rates under the force of gravity or if pressure is applied, combined with minimal pressure drop
- Good wettability
- High abrasion resistance
- Conformity with REACH and RoHS
- Suitable for medical applications

■ **Please contact us for more information.**

Further details can also be found in the brochure 'SEFAR PURETEX®'.

Locations



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