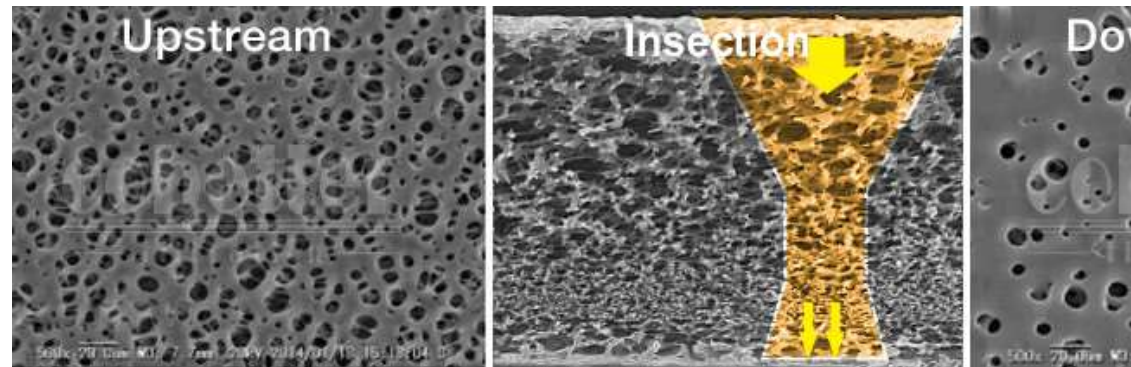


Hydrophilic PES Membranes

polyethersulfone (PES) membrane is made of a modified polyethersulfone polymer cast. The optimized asymmetric structure, enhanced hydrophilicity and high porosity provides extraordinary high flow rate and contaminants retention capacity. The product uniformity results in consistent filtration performance. Its high mechanical strength supports most kinds of assembling technologies.



The high asymmetric structure, as shown in figure, promises marvelous particle retention capacity and low extractables and drug & protein adsorption. The upstream surface, with larger pore size, functions as a pre-filter layer to retain big contaminants such as drug crystals and solid particles; on the other hand, the downstream surface with smaller pore size plays a role as a precise-filter layer, to retent all the rest contaminants. The gradient filtration principle and high porosity (>75%) ensures our promised filtration efficiency. PES membrane is also available in positively-charged modified version, providing a solution for protein / endotoxin binding liquid filtration applications.

Hydrophilic PES Membranes-Hydrophilic PES Membranes

offers hydrophobic & oleophobic surface treated PES membranes that have excellent repellency to liquids, which is an ideal alternative option for PTFE membrane venting and gas filtration applications where gamma irradiation is used for product sterilization.

Certified Biological Safety(ISO10993/USP Class VI)

Fast and Stable Wetting ability

<3 seconds in saturated salt water

Low Drug and Protein Adsorption

Low Extractables

Wide Range of Pore Sizes

Outstanding Flow Rates & Longer Life

Lot-to-lot Consistency

Compatible with Different Sealing Methods

Ultrasonic, Heat, Mechanical, RF Welding, Inserting Molding

Sterilization Compatibility

Autoclave, Ethylene Oxide, E-Beam, Gamma Irradiation

Available Pore Sizes (µm)

0.05, 0.1, 0.2, 0.2+Positive, 0.45, 0.65, 0.8, 1.2, 3.0, 5.0, 8.0, 10, 12

Typical Applications

- IV Infusion Filters
- IV Set Drip Chambers
- Epidural Filters
- Medical Water Filters
- Drug Filtration
- POCT Diagnosis Test Strips
- Blood Filtration

Membrane Formats

Roll, Sheet, Disc, Adhesive Backing, Customization