PRODUCT DATASHEET

# PES Membrane Disc Filters

PES membrane discs, 0.03 to 5 µm, 13 to 293 mm







DETAIL – DISCS, TWEEZERS AND BOX

## OVERVIEW

The Tech Inc. PES Membrane Disc Filters are hydrophilic polyethersulfone membranes with high flow and very low protein binding. They are used for sterile filtration of media and buffers, microbiology and aqueous sample preparation, and as flat-sheet coupons for laboratory membrane studies.

## MODELS AND CONFIGURATIONS

- **Plain discs** – filtration and sample preparation.
- **Gridded sterile discs** – colony counting.
- **0.03 and 0.1 µm** – fine particle and bacteria removal.
- **Coupons for test cells** – cut to our test-cell sizes.

## TYPICAL DESIGN DATA

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|---|---|
| **Model series** | TI-MD-PES-(diameter) |
| **Membrane** | Hydrophilic polyethersulfone (PES) |
| **Pore sizes** | 0.03, 0.1, 0.2, 0.45, 0.8, 1.2 and 5 µm |
| **Diameters** | 13, 25, 37, 47, 90, 142 and 293 mm |
| **Thickness** | About 110 to 150 µm |
| **Options** | Plain, gridded, sterile, interleaved |
| **Pack** | 100 discs (25 for 142 and 293 mm) |

## APPLICATIONS

Sterile filtration, microbiology, aqueous sample preparation and laboratory membrane testing.

## KEY ADVANTAGES

- **High flow** – fast aqueous filtration
- **Low binding** – high recovery
- **Autoclavable** – steam-sterilisable at 121 °C

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