

## **POLYETHERSULFONE MEMBRANE FILTERS**

**Recommended for aqueous solutions biological applications and protein filtration**

- Made entirely from polyethersulfone.
- Hydrophilic.
- High flow rate.
- Excellent flow speed
- Thermal stability.
- Very low adsorption.
- Resistant to aqueous solutions pH 1-13 and some aggressive solutions
- Pore size from 0.10 µm to 0.45 µm.
- Filter diameters 25 mm and 47 mm.
- White and plain surface.

### **Technical specifications**

<b>Material</b>	<b>Pore µm</b>	<b>Thickness (1) µm</b>	<b>Flow rate (2) ml/min</b>	<b>Bubble point (3) Bar</b>
<b>Polyethersulfone</b>	0.1	150	>7	>2.1
	0.20	150	>28	3.2
	0.45	150	>32	2.3

(1) Acc. DIN 53105

(2) Average value per cm<sup>2</sup> area at Ap = 1 bar

(3) Acc. DIN 58355, with Isoporpanol / Water (60/40)

- Adsorption: 10 µg/cm<sup>2</sup> for gamma Globulin, 5 µg/cm<sup>2</sup> with BSA, 1.9 µg/cm<sup>2</sup> with Insulin
- Extractable with water less than 0.2 %
- Sterilization : by autoclaving at 121°C or 134°C, with γ-radiation, or ethylene oxide
- Maximum temperature 134°C

### **Applications**

- Sterilization and clarification of biological fluids, serum, tissue culture media
- Filtration pharmaceutical solutions
- Filtration of hybridization solutions
- HPLC solutions
- Sterilization or clarification of viscous proteinaceous solutions

### **Ordering information**

<b>White plain membrane</b>			
<b>Pore Ø</b>	<b>0.10 µm</b>	<b>0.20 µm</b>	<b>0.45 µm</b>
<b>25 mm</b>	PES01025BL	PES02025BL	PES04525BL
<b>47 mm</b>	PES01047BL	PES02047BL	PES04547BL

Presentation: 100 units / box

Other sizes available on request