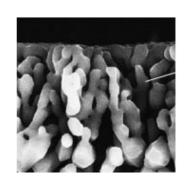


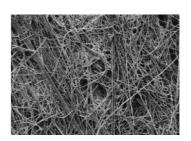
Polycarbonate with 0.4 μm pores (Nuclepore) and cellulose acetate with 0.45 μm pores.

Alumina

- Material:
 - Inorganic.



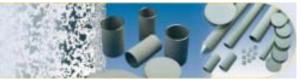
Glass fiber



- Mainly made of metal oxides (ceramics) such as silica, alumina or oxides of Titanium, Zirconium or Magnesium.
- As well in glass, carbon or metal.
- Expensive (5 to 10 times).
- High chemical resistance and withstand high temperatures.
- Low selectivity.
- Fragile.



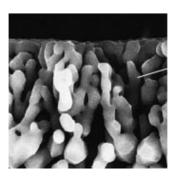
carbon



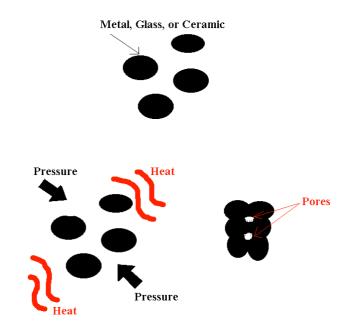
metal

- Preparation of synthetic membranes:

Sintering-fusion

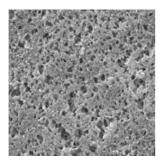


Alumina

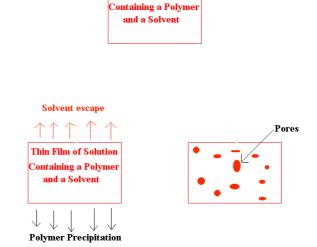


- Preparation of synthetic membranes:

Casting



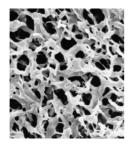
Nylon



Thin Film of Solution

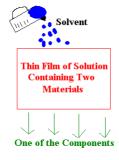
- Preparation of synthetic membranes:

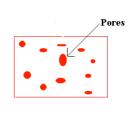
Leaching



Polyvinylidenefluoride

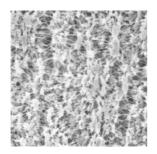




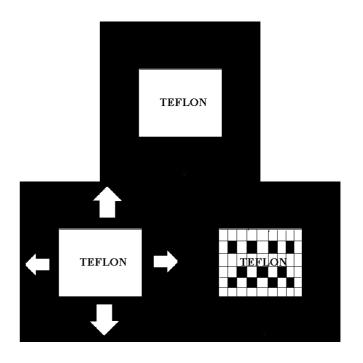


- Preparation of synthetic membranes:

Stretching

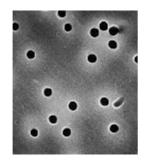


PTFE (Polytetrafluoroethylene)



- Preparation of synthetic membranes:

Nucleation Track



Polycarbonate

