

ABSTRACT OF THE DISCLOSURE

Provided is a vinylidene fluoride porous hollow fiber membrane excellent in fouling resistance due to reduced organic substance absorbance, preferably having preferable pore structures to enable to have high permeability, high fractionation performance, and good process controllability. The membrane includes a vinylidene fluoride resin and 0.5 to 10% by weight of a hydrophilic resin, having a ratio P_i/P_o of 2.5 to 50 where P_i and P_o denote an average pore size on inner surface and an average pore size on outer surface, respectively, and having a pure water permeation rate satisfying the following formula:

$$(\text{FLUX}_d / \text{FLUX}_w) \times 100 \geq 40.0$$

wherein FLUX_d represents a pure water permeation rate ($\text{L}/\text{m}^2/\text{hr}/98$ kPa) of the hollow fiber membrane in a dry state, and FLUX_w represents a pure water permeation rate ($\text{L}/\text{m}^2/\text{hr}/98$ kPa) of the hollow fiber membrane in a wet state.