

ABSTRACT

The invention provides a polymer separation membrane that is excellent in separating characteristics, a permeating ability, a chemical strength (particularly chemical resistance) and a physical strength, and also excellent in a stain resistance, and a producing method therefor. The fluorinated resin-type polymer separation membrane includes a layer having a three-dimensional network structure, and a layer having a spherical structure, wherein the layer of three-dimensional network structure is formed by a fluorinated resin-type polymer composition containing a hydrophilic polymer, and the hydrophilic polymer is a substantially water-insoluble hydrophilic polymer containing at least one of a cellulose ester, an aliphatic vinyl ester, vinylpyrrolidone, ethylene oxide and propylene oxide as a polymerization component. The polymer separation membrane is applicable as a filtration membrane for water treatment, a battery separator, a charged membrane, a fuel cell membrane or a blood cleaning filtration membrane.