

COMPOSITE SEMITRANSSPARENT FILM AND MANUFACTURING METHOD

THEREFOR

ABSTRACT

An object of the present invention is to provide a composite semipermeable membrane which has excellent chemical resistance, separation performance, and water permeability, and the composite semipermeable membrane has the following structure.

The present invention provides a composite semipermeable membrane in which an separation function layer is formed on a microporous supporting membrane, wherein the separation function layer is formed from (A) a silicon compound in which a reactive group having an ethylenically unsaturated group and a hydrolyzable group are directly bonded to silicon atoms, and (B) a compound having an ethylenically unsaturated group other than the silicon compound, by condensation of the hydrolyzable group of the silicon compound (A) and polymerization of the ethylenically unsaturated group of the silicon compound (A) and the ethylenically unsaturated group of the compound (B) having the ethylenically unsaturated group.

(No suitable figure)