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(54) Title: THIN FILM COMPOSITE OSMOSIS MEMBRANES

(57) Abstract: A two-layered osmosis membrane contains a support layer and a rejection layer. The support layer, in which a mesh is embedded, is made of a phase separation polymer and has a thickness of 50 to 200 µm. The rejection layer, which adheres to the support layer, is made of a thin film composite polymer and has a thickness of 0.05 to 3 µm. The mesh, which is embedded in the support layer, has an open area of 30 to 70%, a mesh size of 60-300 mesh, and a thickness of 45-150 µm. Also disclosed is a method of making the above described membrane.



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