

عنوان مقاله:

Preparation and characterization of heterogeneous cation exchange membrane; Case study: investigation of glassy and rubbery polymers blends effect

محل انتشار:

اولین کنفرانس ملی غشا و فرایندهای غشایی (سال: 1389)

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خلاصه مقاله:

In this research, (acrylonitrile-butadiene-styrene)- blend- (high impact polystyrene) heterogeneous cation exchange membranes were prepared by solution casting technique using cation exchange resin powder as functional group agent. The effect of blend ratio of polymers binder as glassy/ rubbery viewpoint on properties of prepared membranes was studied. Membrane with (0.2:0.8) (w/w) blend ratio of polymer binder (acrylonitrile-butadiene-styrene to high impact polystyrene) exhibited more appropriate efficiency and electrochemical properties in comparison with other prepared membranes in this research.

کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

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