전기방사에 의해 제조된 SPSf/PVdF-HFP 리튬폴리머전지 복합막의 전기화학적 특성

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Sulfonated-polysulfone (SPSf)/poly(vinylidenefluoride-hexafluoroproplyene) (PVdF-HFP) fibrous composite membrane for Li polymer battery were prepared by electrospinning process and controlled by various blending ratios. The morphology of the membranes was studied by scanning electron microscopy (SEM). The diameters of electrospun SPSf/PVdF-HFP fibers were distributed in the range from 200 to 500 nm. The ion conductivity was above 6.12×10^{-3} S/cm, and measured by AC impedance analyzer (IM6e, Zahner Elecktirk). The ion conductivities were increased as blending ratios of SPSf to PVdF-HFP with decreasing.