

Perfluorinated Ionic Polymers for PEFCs (Including Supported PFSA)

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Abstract This article outlines some history of and recent progress in perfluorinated membranes for polymer electrolyte fuel cells (PEFCs). The structure, properties, synthesis, degradation problems, technology for high temperature membranes, reinforcement technology, and characterization methods of perfluorosulfonic acid (PFSA) membranes are reviewed.

Keywords Analysis · Cross leak degradation · High temperature membrane · Perfluorosulfonic acid · PFSA · Reinforcement