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Interplay between structure and properties in acid-base blend PBI-based membranes for HT-PEM fuel cells

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Abstract

This work is the follow-up to a previous study in which the same authors extensively documented the behaviour of acid-base polymer blend membranes doped with phosphoric acid during high temperature (160°C) fuel cell operation. The present study examines the same acid-base blend PBI-based materials to obtain a deeper understanding of the relationship between the chemical structure and the membrane

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