

Journal of Materials Chemistry

Supplementary Information for the manuscript entitled:

Durable Cross-Linked Copolymer Membranes Based on Poly(benzoxazine) and Poly(2,5-benzimidazole) for Use in Fuel Cells at Elevated Temperatures

Sung-Kon Kim, Taeyun Ko, Seong-Woo Choi,* Jung Ock Park, Ki-Hyun Kim, Chanhok Pak, Hyuk Chang, and Jong-Chan Lee*

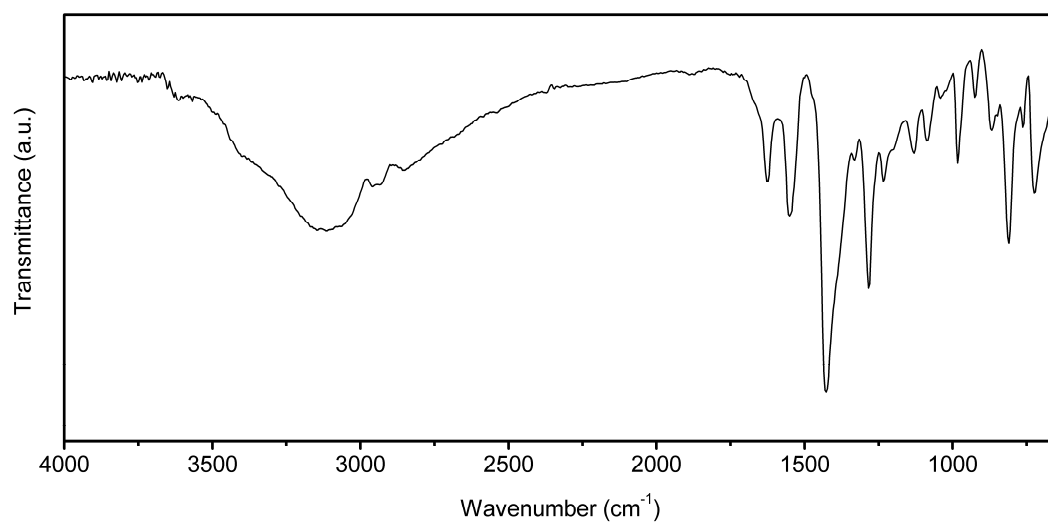


Fig. S1. ATR FT-IR of the extracts of PpF-co-ABPBI-65 membrane after immersion in a 85 wt% PA solution at 160 °C for 5 h.

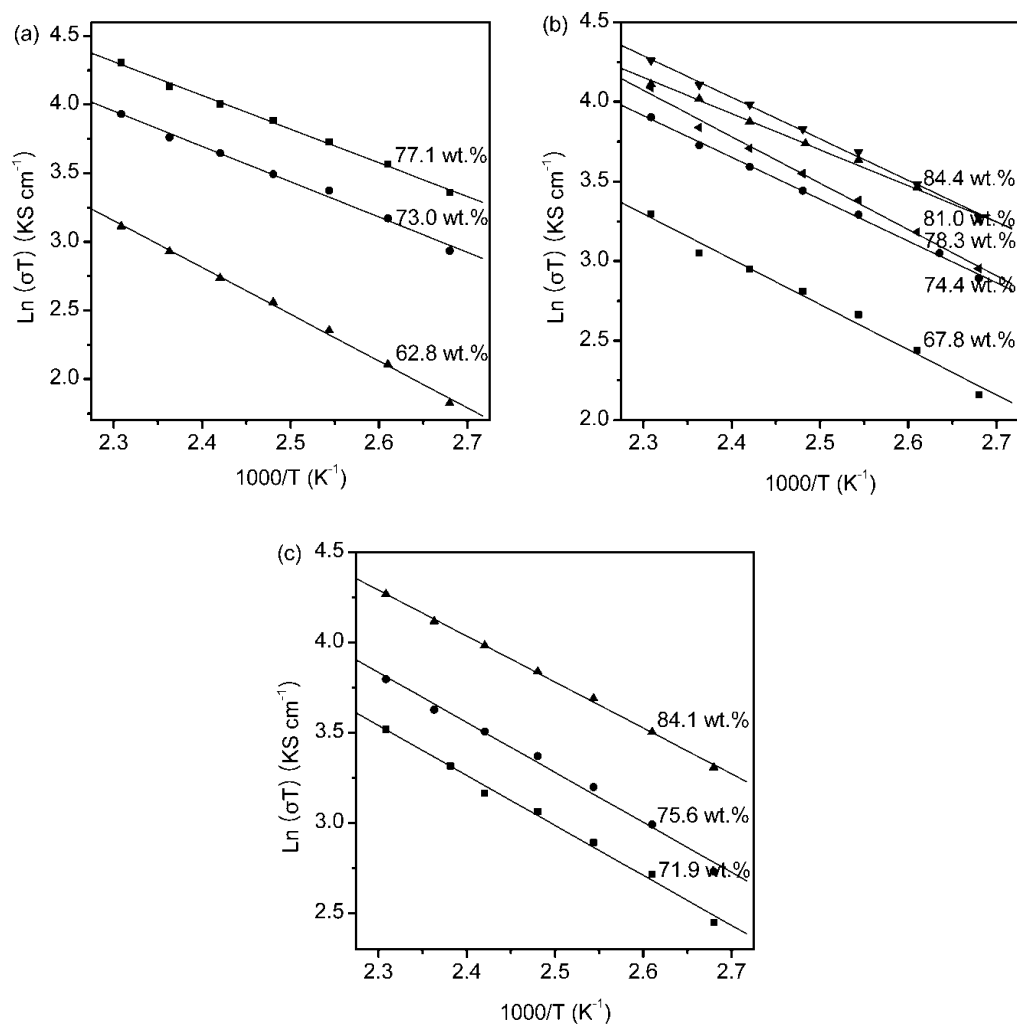


Fig. S2. Proton conductivities of (a) *PpF-co-ABPBI-65*, (b) *PpF-co-ABPBI-50*, and (c) *PpF-co-ABPBI-35* membranes as a function of temperature (100 ~ 160 °C) under anhydrous condition.