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Supporting Information

Preparation and characterization of click driven NVC-based anion exchange membranes with improved water uptake for fuel cells

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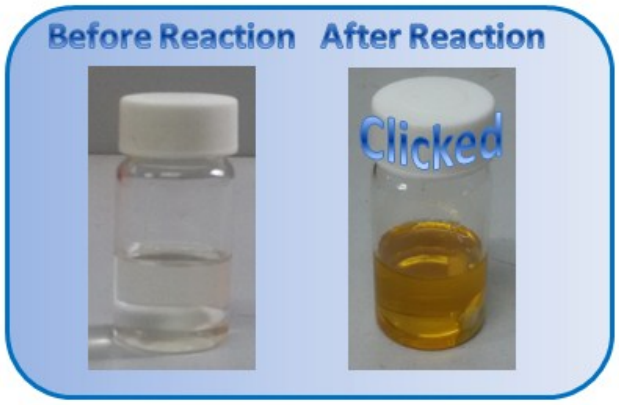

Figure S1. Change in colour of the reaction mixture before and after Click reaction.

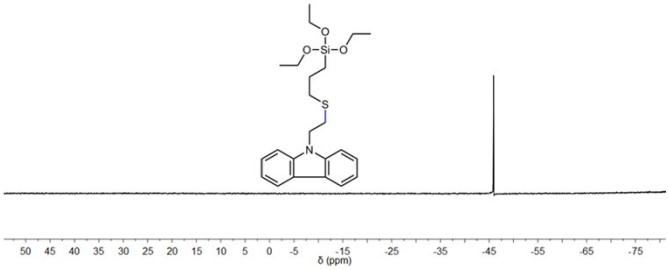

Figure S2. ^{29}Si NMR spectrum of synthesized clicked monomer TESPTEC.

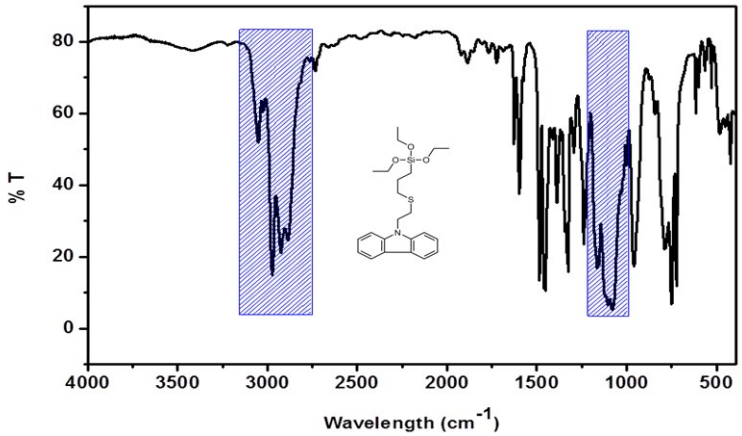

Figure S3. IR spectrum of synthesized clicked monomer TESPTEC.

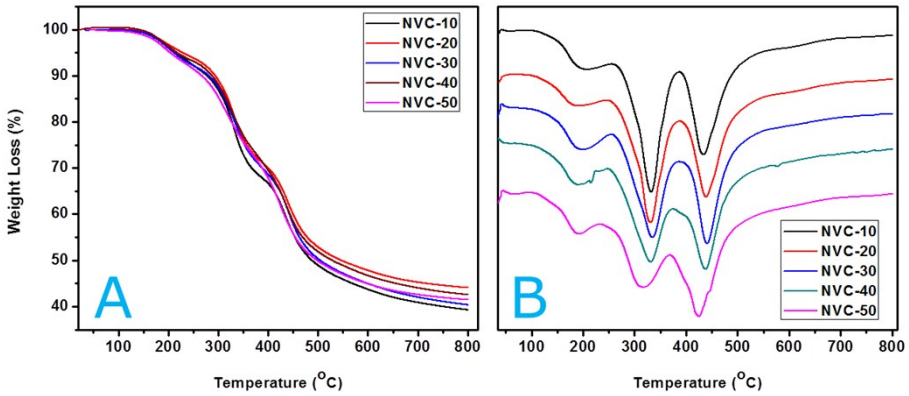

Figure S4. (A) TGA thermograms of different prepared membranes & (B) DrTGA of prepared membranes.

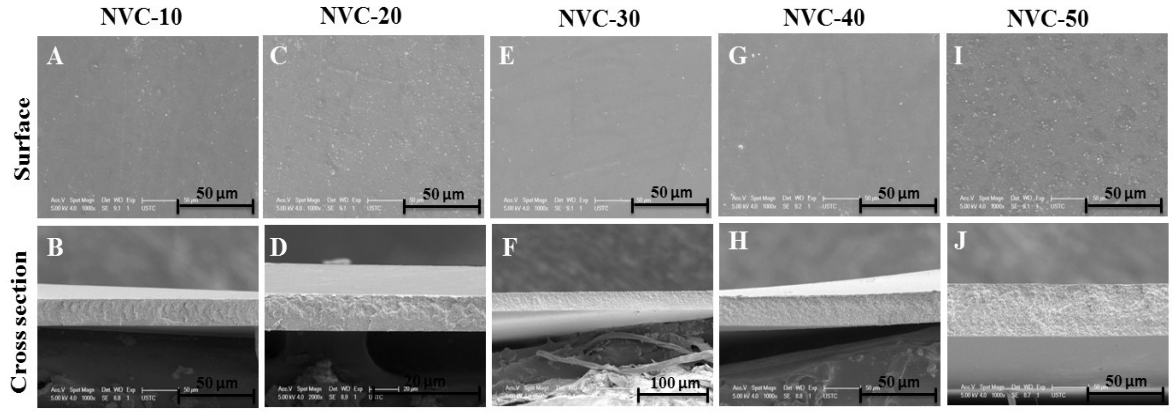

Figure S5. (A) & (B) corresponds to the surface & cross-section of the NVC-10 membrane (C) & (D) represents surface & cross-section of the NVC-20 membrane whereas (E) & (F) represents surface & cross-section of the NVC-30 membrane (G) & (H) represents surface & cross-section of the NVC-40 membrane whereas (I) & (J) represents surface & cross-section of the NVC-50 membrane.

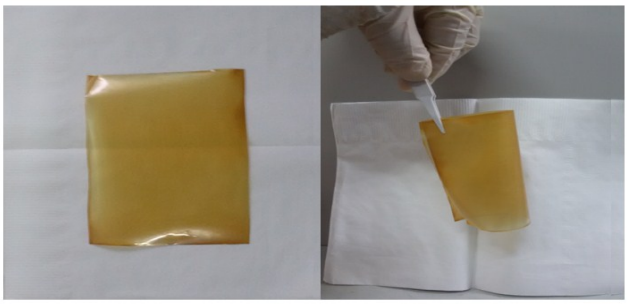

Figure S6. Optical images of the membrane NVC-50.