

Fig. S1. $^1\text{H-NMR}$ spectrum of SPEEK.
57x40mm (600 x 600 DPI)

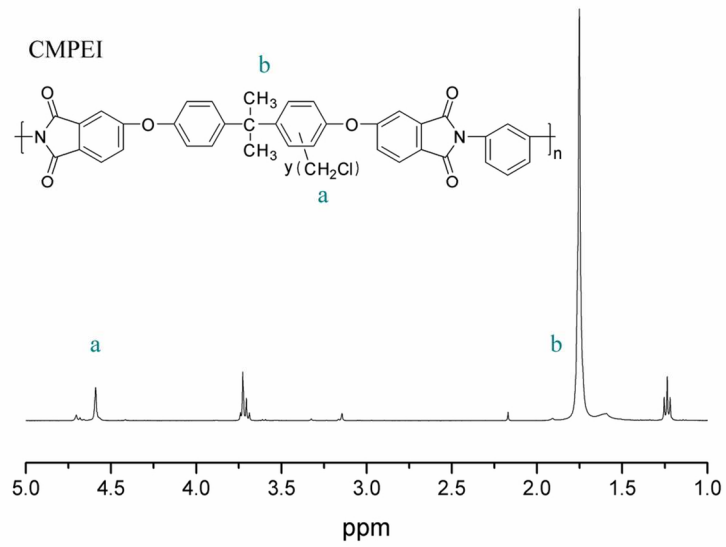


Fig. S2. ¹H-NMR spectrum of CMPEI.
57x40mm (600 x 600 DPI)

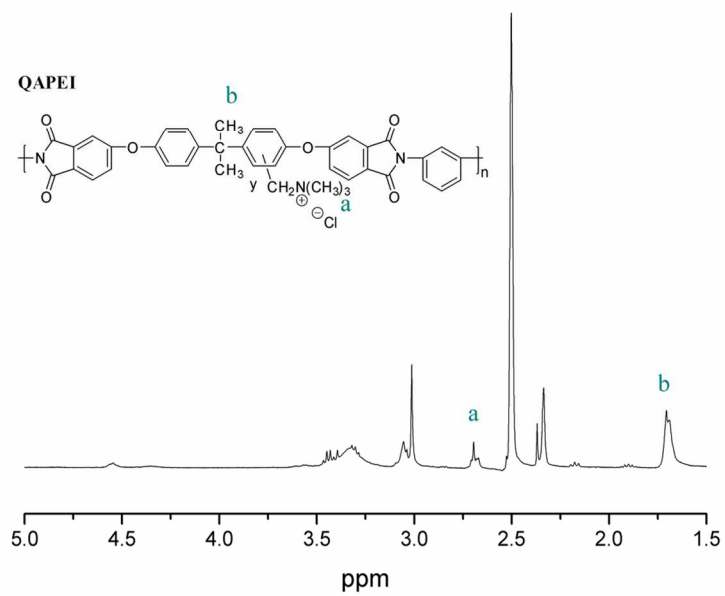


Fig. S3. ¹H-NMR spectrum of QAPEI.
57x40mm (600 x 600 DPI)

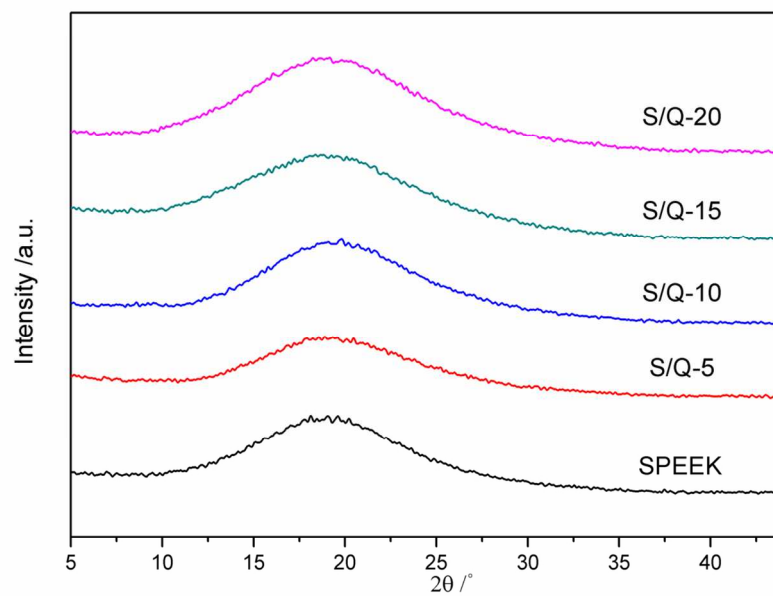


Fig. S4. XRD patterns of SPEEK and S/Q blend membranes.
58x40mm (600 x 600 DPI)

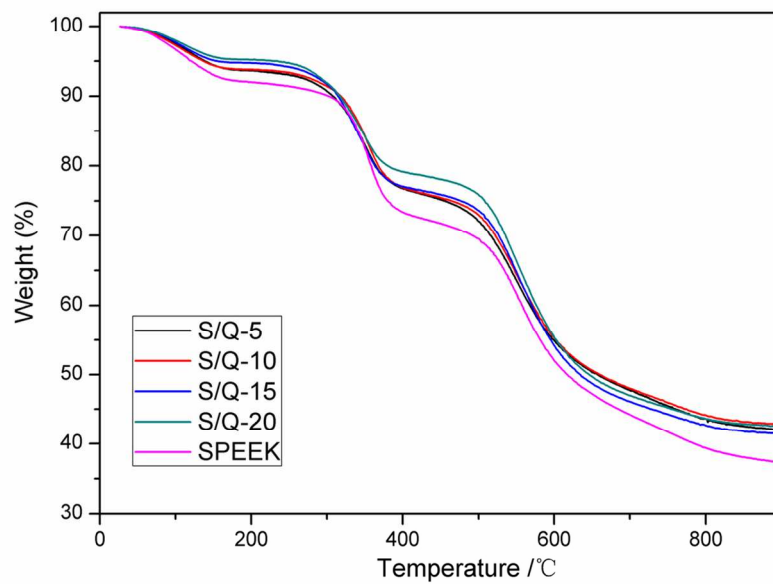


Fig. S5. TGA curves for SPEEK and S/Q blend membranes.
57x40mm (600 x 600 DPI)