

## Supporting Information

### Facile fabrication of stretchable, stable and self-adhesive poly(ionic liquid) for flexible sensor

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### Results and discussion

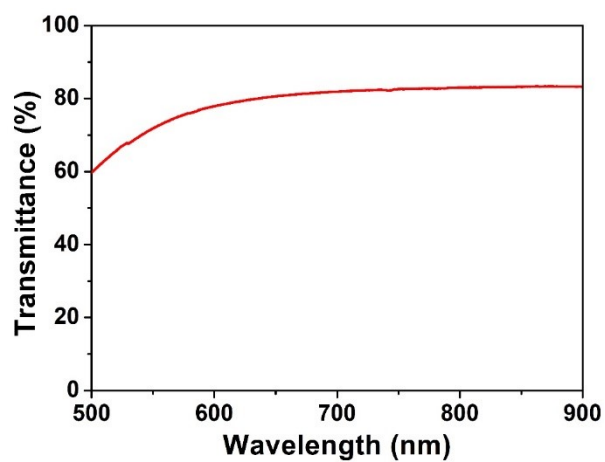
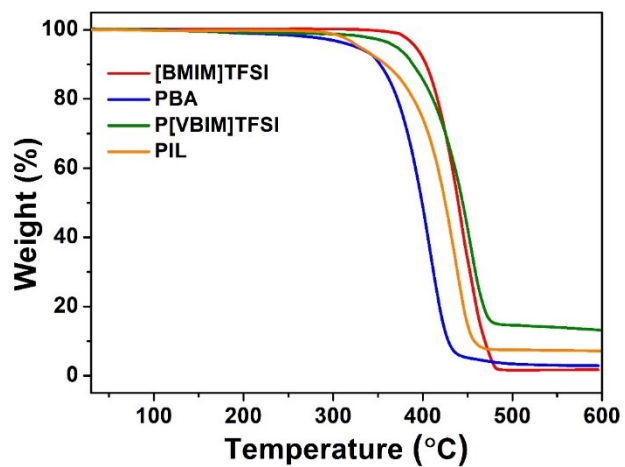


Fig. S1 Transmittance of a 1mm-thick PIL.

The transparency of the PIL was expressed by the transmittance of light in the visible range. As demonstrated in Fig. S1, the transmittance of the PIL was about 80% in the visible light range, indicating its good transparency.



**Fig. S2** TGA curves of the individual components of the PIL