Electronic Supplementary Information:

A Neutral State Green Polymer with Superior Transmissive Light Blue Oxidized State

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ESI-Fig 2. FT-IR spectrum of the polymer PBDT.

*All the corresponding IR peaks related to the structures of the monomer and polymer were determined. Due to the polymerization the related C-H peaks of the EDOT moieties completely disappeared in the IR spectrum of the polymer. (3100, 877 cm⁻¹).



2) SEM

ESI-Fig 3. Scanning electron micrograph of the polymer coated at 75 mV/s in 0.1 M TBAPF₆/DCM on Pt electrode.