Supporting information for

Kameyama and Takasu

Electrophoretic Vinyl Polymers Having Pendent Sulfones via Atom-

Transfer Radical Polymerizations of Sulfide-Containing Methacrylate

Monomer and Electrophoretic Coating on Stainless Steel

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Figure S1. ¹H NMR spectrum of the ESEMA monomer.



Figure S2. ¹H NMR spectra of the poly(ETEMA) before oxone oxidation (top) and poly(ESEMA) (bottom).



Figure S3. FT-IR spectra of the poly(ESEMA) before EPD (top) and after EPD (bottom).



Figure S4. As a control, we demonstrated electrophoretic deposition of poly(ETEMA) containing sulfide (not sulfone) under the same condition(Table 2, run 3) to confirm whether sulfonyl group is essential or not, in which we couldn't confirm the electroforetic deposition onto both (anode and cathode) of stainless steel electrodes.