

Supplementary Materials

Sulfonated Pentablock Copolymer Coating of Polypropylene Filters for Dye and Metal Ions Effective Removal by Integrated Adsorption and Filtration Process

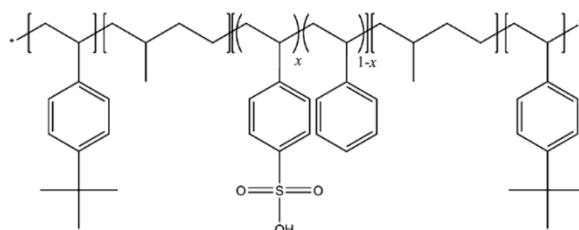


Figure S1. Molecular structure of sulfonated pentablock copolymer (s-PBC) (Nexar™).

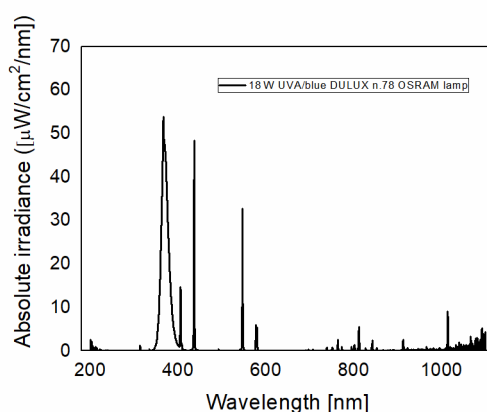
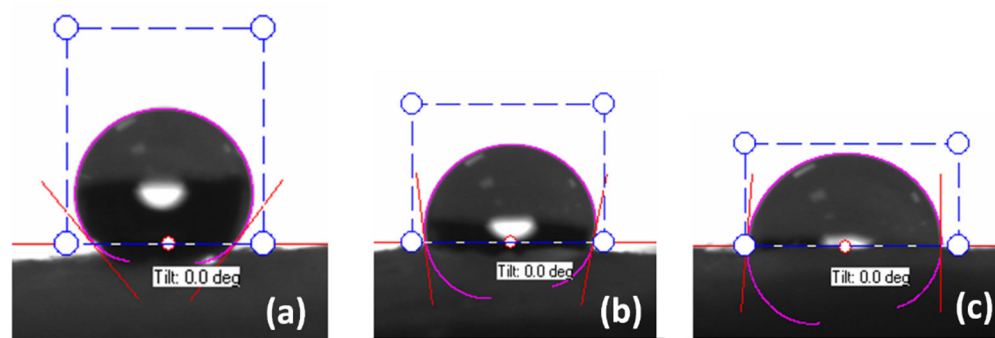


Figure S2. The emission spectrum (UV emission at 365 nm and a few narrow lines in the visible) of the 18 W UVA/blue DULUX n.78 OSRAM lamp used for irradiation of the coating layer.



Sample	Average value (left side)	Average value (right side)
PP	130.8	128.4
S-PBC@PP	102.4	103.9
S-PBC@PP_UV	84.4	86.8

Figure S3. Contact angle measurements for different filters: (a) PP, (b) s-PBC@PP (center) and (c) s-PBC@PP after UV irradiation. The table reports the average values measured on the left and right side of three different drops for each sample.