

Supplementary Information for

Highly Ordered Luminescent Microporous Films Prepared From Crystalline Conjugated Rod-Coil Diblock Copolymers of PF-b-PSA and Their Superhydrophobic Characteristics

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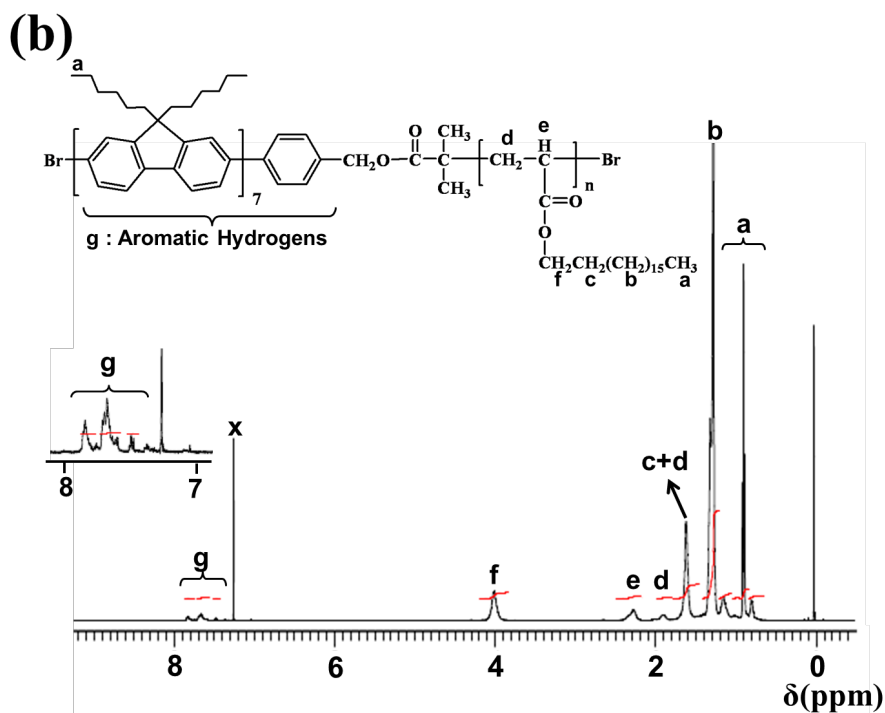
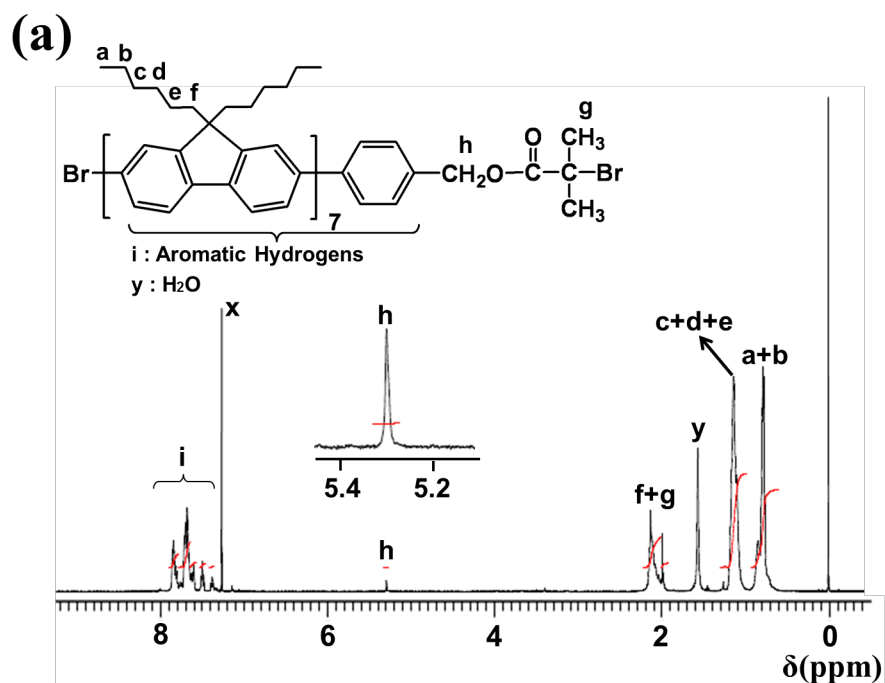
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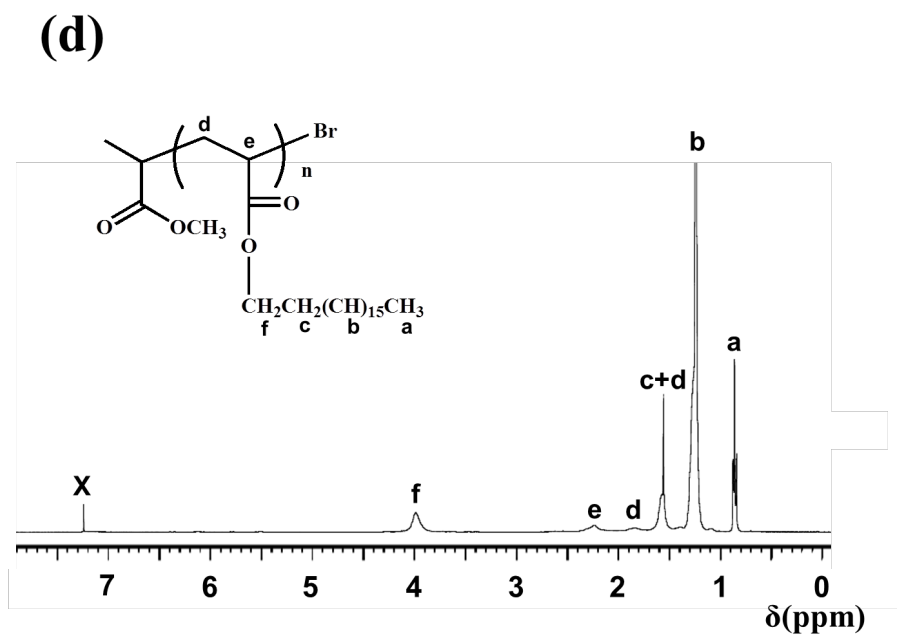
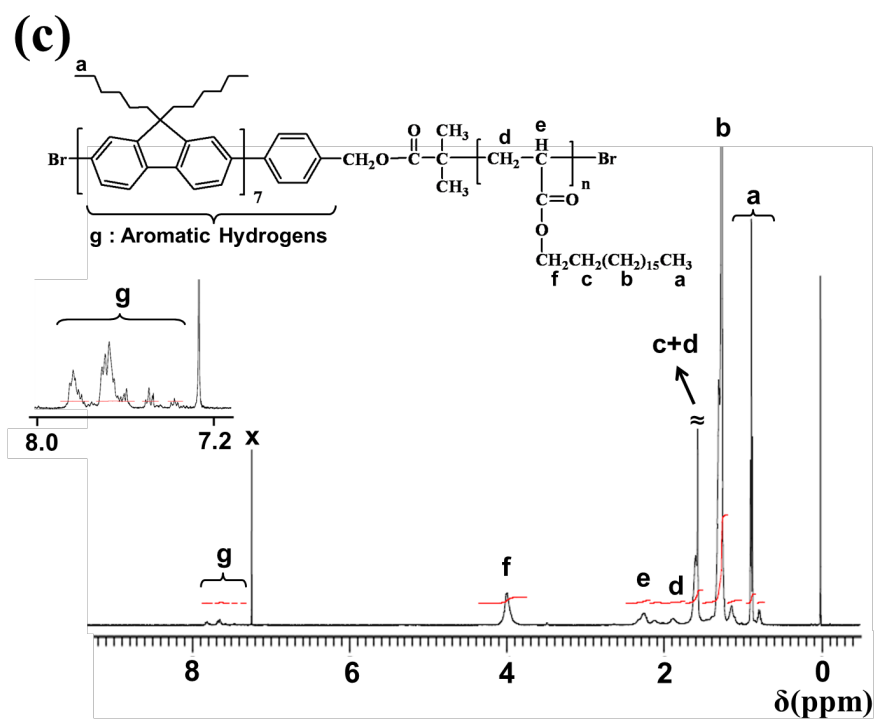


Figure S1. ^1H NMR spectra of (a) PF-Br, (b) PF₇-b-PSA₆₄, (c) PF₇-b-PSA₉₃, and (d) PSA in CDCl₃.

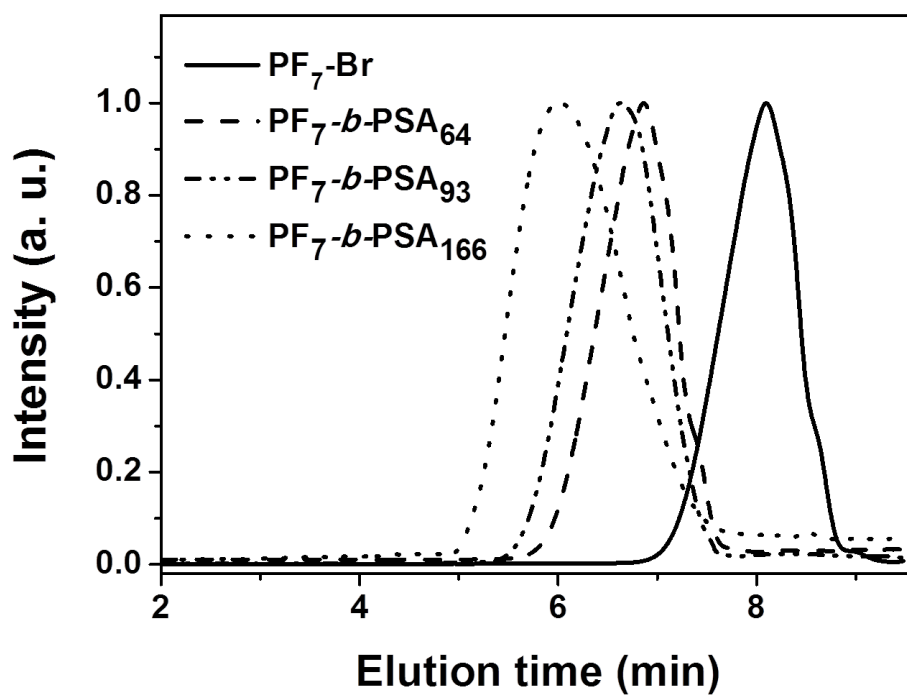


Figure S2. GPC profiles of the synthesized polymers.

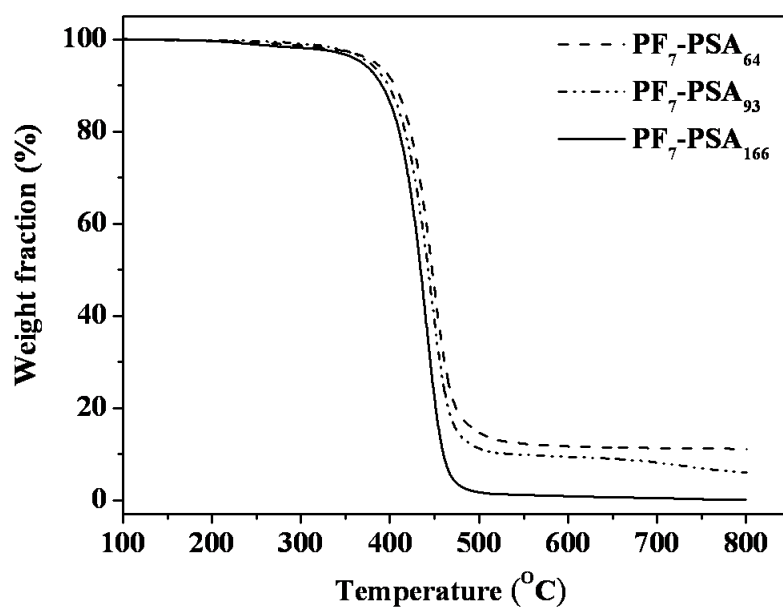


Figure S3. TGA curves of $\text{PF}_7\text{-}b\text{-PSA}$ block copolymers at a heating rate of 20 $^{\circ}\text{C}/\text{min}$ under nitrogen atmosphere.

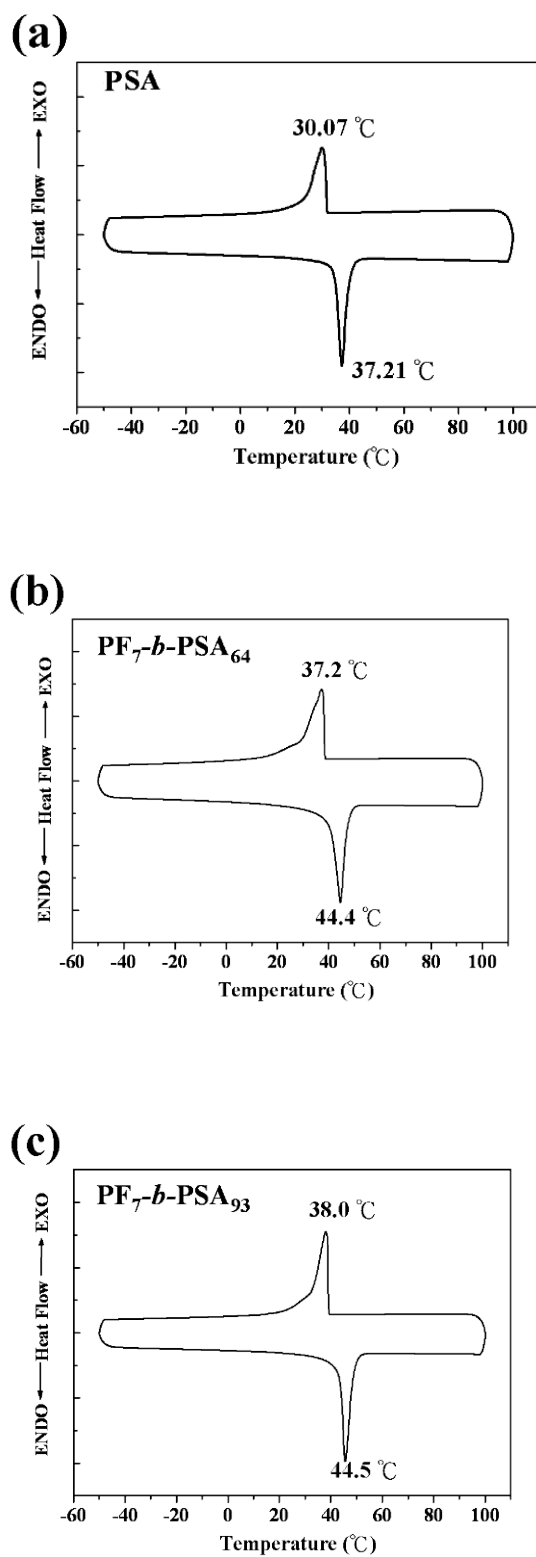


Figure S4. DSC curves of (a) PSA ($M_n = 27,004$), (b) PF₇-*b*-PSA₆₄, and (c) PF₇-*b*-PSA₉₃ at a heating rate of 10 °C/min under nitrogen atmosphere.

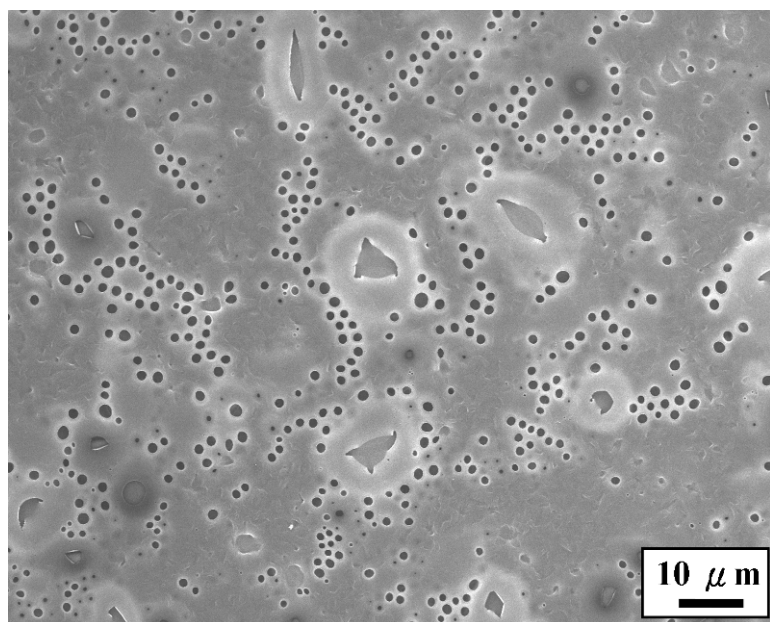


Figure S5. The SEM image of PF₇-*b*-PSA₁₆₆ film cast at 65% relative humidity without air flow.

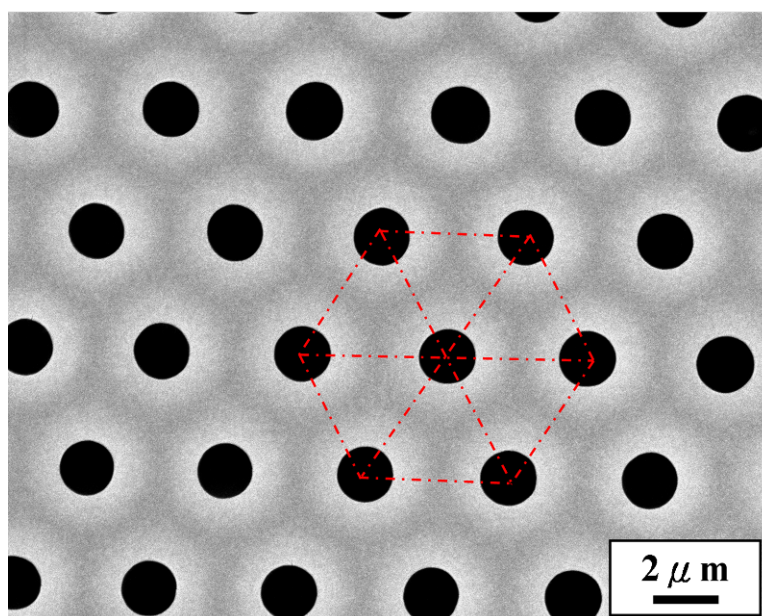


Figure S6. The magnified SEM image of Figure 6(d).

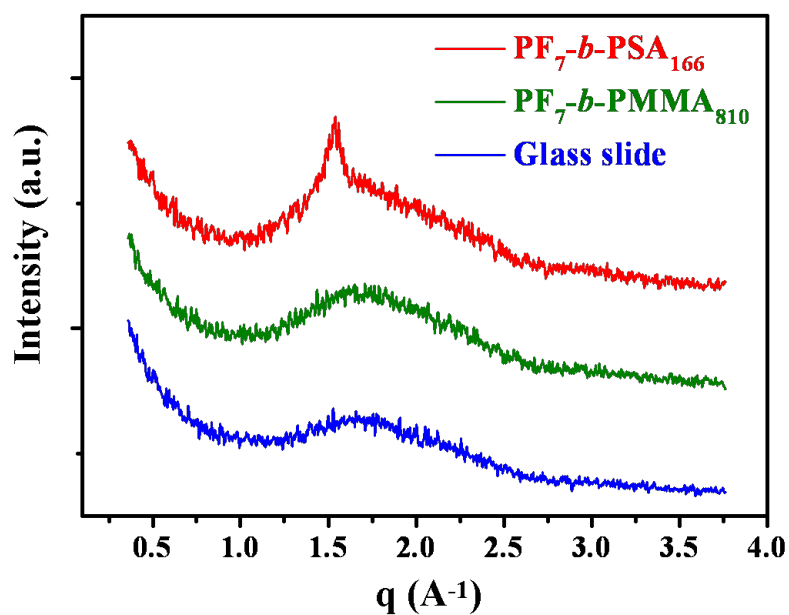


Figure S7. WAXD intensity profiles of the glass slide and microporous films of PF₇-b-PSA₁₆₆ and PF₇-b-PMMA₈₁₀.

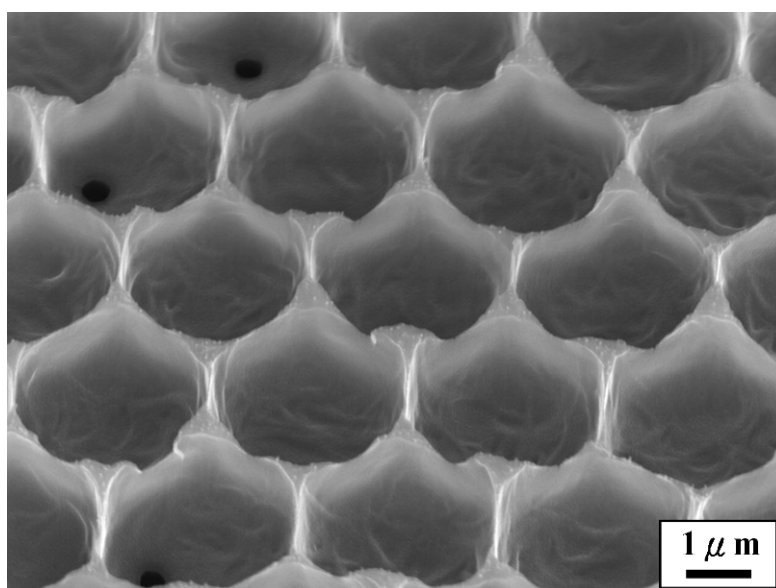


Figure S8. The cross-section SEM image with tilted 25° of PF₇-b-PSA₁₆₆ microporous film after peeled of skin layer.